

NASA Technical Memorandum 89101

**Subsonic Wind-Tunnel Measurements
of a Slender Wing-Body Configuration
Employing a Vortex Flap**

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Abstract

A wind-tunnel study at Mach 0.4 was conducted for a slender wing-body configuration with a leading-edge vortex flap of curved planform that is deflectable about a 74° swept hinge line. Leading-edge flap deflections of 0°, 30°, 40°, and 45° down and 30° up were each tested with trailing-edge flap deflections of 0°, 10°, and 20° down. The basic data consist of a unique combination of longitudinal aerodynamic, surface-pressure, and vortex-flap hinge-moment measurements on a common model. One intent of the investigation was to extend the overall vortex-flap data base. The longitudinal aerodynamic, pressure, and hinge-moment data are presented without analysis in tabular format. Plots of the tabulated pressure data are also included. This document is intended to supplement a companion report, NASA TP-2686, containing a comprehensive analysis of the data.

Introduction

Vortex-flap aerodynamics have generated considerable interest due to the benefits derived from utilizing a controlled leading-edge vortex to generate aerodynamic thrust and promote attached flow on the wing upper surface. Benefits to slender supercruiser-class wings include (1) substantial reduction in drag during high-angle-of-attack transonic maneuver conditions, (2) a relatively simple method of flow control, which is useful over a large portion of the flight envelope including landing where the vortex flap would be deflected upward to increase both lift and drag, (3) beneficial utilization of naturally occurring vortex flow, and (4) low sensitivity to off-design flight conditions. These benefits may permit one aircraft to meet the requirements for both sustained supersonic cruise and transonic maneuver capability. The vortex-flap concept has been explored extensively in recent years, both experimentally and analytically, for a range of swept-wing configurations. Campbell and Osborn (1986) have presented an excellent overview of the related work.

A goal of the present study was to extend the overall vortex-flap data base. There was also a serious need to quantify the vortex-flap hinge moments so that aircraft designers can begin to consider how these flaps might be activated. To achieve these goals, a unique data base consisting of longitudinal aerodynamics, surface pressures, and vortex-flap hinge moments has been developed on a common model. This report documents the entire data base for zero sideslip in tabular format. Pressure data plots are also included with the tabulations. While this paper contains only the basic data, a general analysis is presented by Frink (1987). Results from

a lateral-directional study for this configuration are reported by Grantz (1984).

Symbols and Abbreviations

The aerodynamic data are referred to the stability axis system with the exception of the normal- and axial-force coefficients, which are referred to the body axis system. Terms in parentheses are the symbols used in computer-generated tables.

b		total span of basic wing and undeflected LEVF, 27.31 in.
C_A	(CA)	axial-force coefficient, $\frac{\text{Axial force}}{q_\infty S_{\text{ref}}}$
C_D	(CD)	drag coefficient, $\frac{\text{Drag}}{q_\infty S_{\text{ref}}}$
C_H	(CHM)	vortex-flap hinge-moment coefficient, $\frac{\text{Hinge moment}}{q_\infty S_{\text{LEVFC}} c_{\text{LEVFC}}}$
C_L	(CL)	lift coefficient, $\frac{\text{Lift}}{q_\infty S_{\text{ref}}}$
C_l	(CRMS)	rolling-moment coefficient, $\frac{\text{Rolling moment}}{q_\infty S_{\text{ref}} b}$
C_m	(CMS)	pitching-moment coefficient, $\frac{\text{Pitching moment}}{q_\infty S_{\text{ref}} \bar{c}}$
C_N	(CN)	normal-force coefficient, $\frac{\text{Normal force}}{q_\infty S_{\text{ref}}}$
C_n	(CYMS)	yawing-moment coefficient, $\frac{\text{Yawing moment}}{q_\infty S_{\text{ref}} b}$
C_p	(CP)	surface-pressure coefficient, $\frac{p - p_\infty}{q_\infty}$
C_Y	(CYS)	side-force coefficient, $\frac{\text{Side force}}{q_\infty S_{\text{ref}}}$
\bar{c}		wing reference chord, 25.959 in.
\bar{c}_{LEVFC}		vortex-flap mean geometric chord, 1.930 in.
L/D		lift-to-drag force ratio
M_∞	(MACH)	free-stream Mach number
p		surface static pressure, lb/ft ² or psi
p_∞		free-stream static pressure, lb/ft ² or psi
q_∞	(Q)	free-stream dynamic pressure, lb/ft ² or psi

S_{LEVF}		area of one vortex flap panel, 67.387 in ²
S_{ref}		wing reference area, includes area of basic wing between the hinge line and trailing edge projected to the model centerline and the area of the undeflected LEVF, 550.318 in ²
x	(X)	longitudinal distance from nose of fuselage, positive aft, in.
y	(Y)	spanwise distance, measured from model centerline, in.
α	(ALPHA)	angle of attack, deg
δ		flap deflection angle normal to hinge line and with respect to wing chord plane, positive down, deg
Abbreviations:		
LEVF		leading-edge vortex flap
TEF		trailing-edge flap
*****		plugged pressure orifice

Model Descriptions and Test Techniques

Wind-Tunnel Model

The model shown in figure 1 represents a slender wing-body configuration with a curved leading edge which is deflectable about a 74° swept hinge line. A numerical description of the configuration (fig. 1(c)) is presented in table I using a format described in Craidon (1985). Primary model components consist of the basic delta wing-body and the interchangeable curved and deflectable leading-edge vortex flaps (LEVF). Descriptions of each component follow.

Basic wing-body. The planar wing consists of a basic 74° delta planform with flat and beveled surfaces. Its leading edge coincides with the vortex-flap hinge line. Segmented trailing-edge flaps (TEF) were secured to the wing by friction hinges and were tested for deflections of 0°, 10°, and 20° down. Five spanwise rows of pressure orifices were distributed along the left wing upper surface, and two streamwise rows on the trailing-edge flap segments. See figure 1(a) for graphical location and table II for tabulated locations of the pressure orifices.

A canopylike housing was mounted on the cylindrical fuselage upper surface to cover pressure instrumentation. Fairings were installed along the lower

wing-fuselage juncture to enclose external instrumentation wires. A vertical tail was mounted to the aft fuselage using an external bracket. Its airfoil sections were uniform, symmetrical, and biconvex with maximum thickness of 3.8 percent at midchord.

Vortex flap. A single pair of vortex flaps of curved planform were tested at deflection angles of 0°, 30°, 40°, and 45° down and 30° up, measured perpendicular to the hinge line. The ratio of flap to wing reference area was 24.49 percent. When the flaps were deflected down, the upper surface crest along the hinge line had a radius of 0.125 in. measured perpendicular to the hinge line. One of the flaps had five rows of pressure orifices which extended spanwise from the hinge line for the undeflected flap.

The flaps were attached to the wing leading edge by 10 flush-mounted fixed brackets on each side. Two brackets supporting the right flap were instrumented with strain-gauge bridges to measure hinge moments, as illustrated in figure 2(a). The flap was installed so that it was metrically isolated from the wing, connected only by the fixed brackets. The hinge-line gap was sealed nonintrusively from the underside with plastic tape to prevent flowthrough.

Test Technique

Mounting bracket calibration. The wing-flap system was assumed to be sufficiently rigid to distribute bending stresses uniformly among each of the 10 brackets; that is, each bracket should carry approximately 1/10 of the total hinge moment. This assumption was made to reduce the amount of instrumentation wiring required because of limited space available within the model. Based on the assumption of a nearly rigid system, each bracket was designed to achieve an individual bending stress of approximately 10 000 psi along a common axis at an estimated total design load of 314 lb and hinge moment of 296 in-lb. The design load was calculated from the free vortex sheet theory of Johnson et al. (1980) for the LEVF deflected 30° down at $\alpha = 14^\circ$ and $M_\infty = 0.8$.

Since the wing and LEVF are slender and relatively thin, some deviation from the rigid wing assumption was expected because of model deformation under load. An attempt was made to reduce the impact of model deformation by (1) positioning the two gauged brackets near the estimated center of flap pressure and (2) calibrating the strain gauges with distributed static loads. A schematic of the calibration fixture is shown in figure 2(b). The model was mounted to an adjustable support fixture so that the mean chord plane of the LEVF was normal to the gravity vector. A steel angle extrusion

was positioned over the length of the flap and supported by filler material. It was intended that the stiffness of the extrusion would distribute the point load through the filler material over the length of the flap in a realistic manner. A sequence of loads was applied to the angle extrusion along the gravity vector through the three points indicated in figure 2(a). Load point 1 corresponds to the estimated center of pressure. Points 2 and 3 were used to simulate the forward shift of flap loads expected at higher angles of attack. Strain-gauge millivolt readings that resulted from applying the load sequence to the three points were averaged by the method of least squares to calculate a hinge-moment calibration coefficient. This procedure was followed for each LEVF deflection tested. It is concluded in Frink (1987) that the strain-gauge-measured hinge-moment coefficients are approximately 19 percent lower than those calculated by integrating flap pressures.

Test conditions and corrections. The wind-tunnel test was conducted in the Langley 7- by 10-Foot High-Speed Tunnel, which is described by Fox and Huffman (1977). Test conditions were a Mach number of 0.4, a Reynolds number of 5.41 million based on the mean aerodynamic chord, an angle-of-attack range from 0° to 24° , and zero sideslip. A photograph of the model in the tunnel is shown in figure 3. Forces and moments were measured by a six-component strain-gauge balance. Surface pressures were measured by scanivalve pressure instrumentation.

In accordance with the method of Braslow, Hicks, and Harris (1966), 0.1-in-wide boundary-layer transition strips of No. 100 carborundum grains were placed 1-in. aft of the leading edges of the vortex flap and vertical tail. Similarly, a 0.1-in-wide ring of No. 120 carborundum grains was placed 1.5-in. aft of the model nose.

Jet-boundary and blockage corrections were applied to the data in accordance with guidelines presented by Gillis, Polhamus, and Gray (1945) and Herriot (1950). Angle of attack has also been corrected for sting and balance deflection under load. Axial force is corrected to a condition of free-stream static pressure acting over the aft fuselage base area and within the fuselage housing.

Presentation of Data

The basic data are presented without analysis in tabular format. Plots of the pressure data are also included. Table III contains a general index of the tabulations.

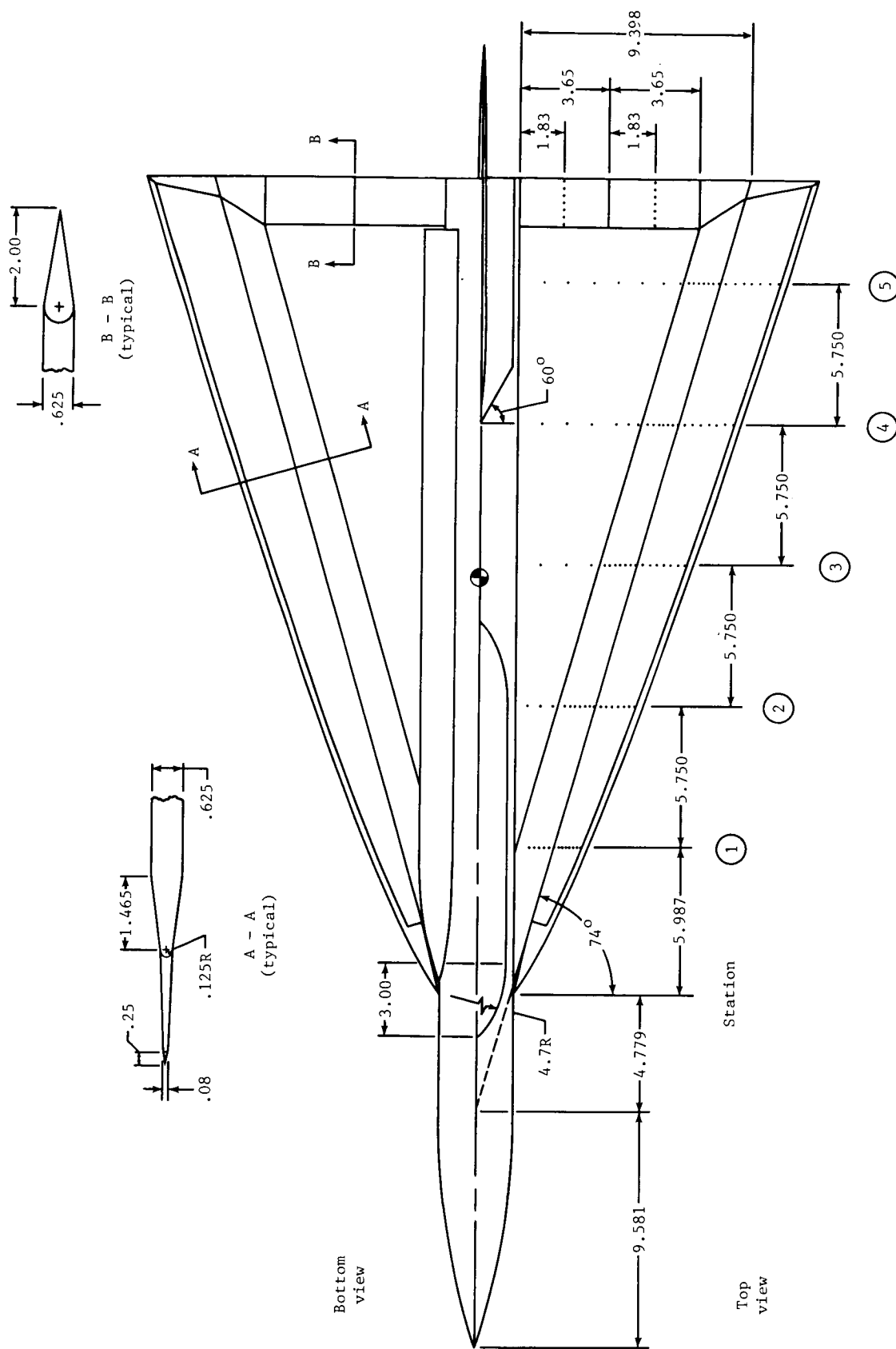
Data for the six-component force and moment and vortex-flap hinge-moment measurements are presented in table IV. The moment reference point for

C_m is defined as 37.47 percent of the wing reference chord, which corresponds to a distance of 31.356-in. aft from the nose. This reference point was chosen because it yields nearly neutral stability at zero lift for the undeflected flap configuration.

Upper-surface pressure data were obtained on the left wing, vortex flap, and trailing-edge flap segments. Lower-surface pressures were measured for $\delta_{LEVF} = 30^\circ$ by testing the upward-deflected LEVF on an inverted model. Though the wing was mid-mounted on the fuselage, figure 1(b) shows the fuselage not to be symmetrical. Hence, this configuration asymmetry would cause some error when measuring lower-surface C_p in the manner described. The pressure data are presented in table V in both tabular and graphic form with the corresponding results appearing on facing pages. Although the data were measured on the left wing, they are shown plotted on the right wing panel to simplify the presentation.

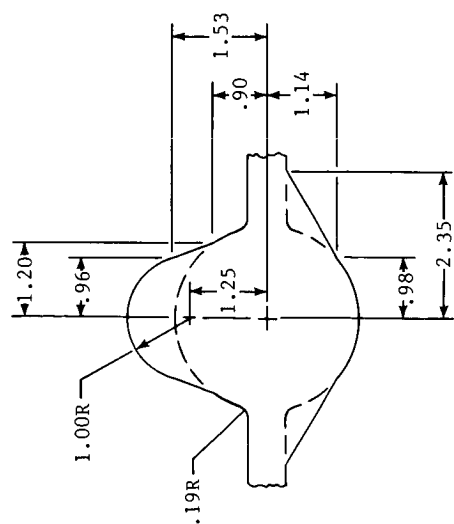
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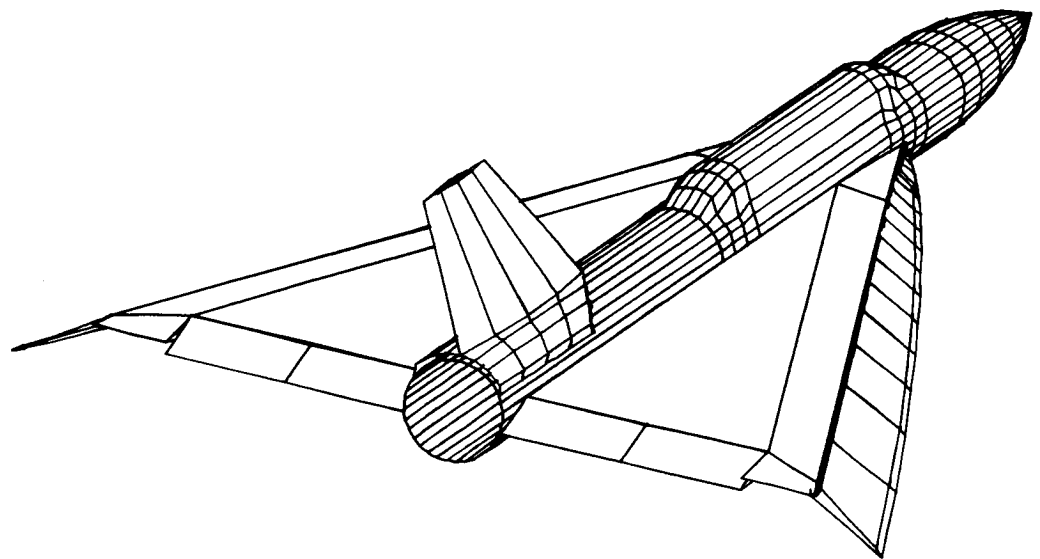
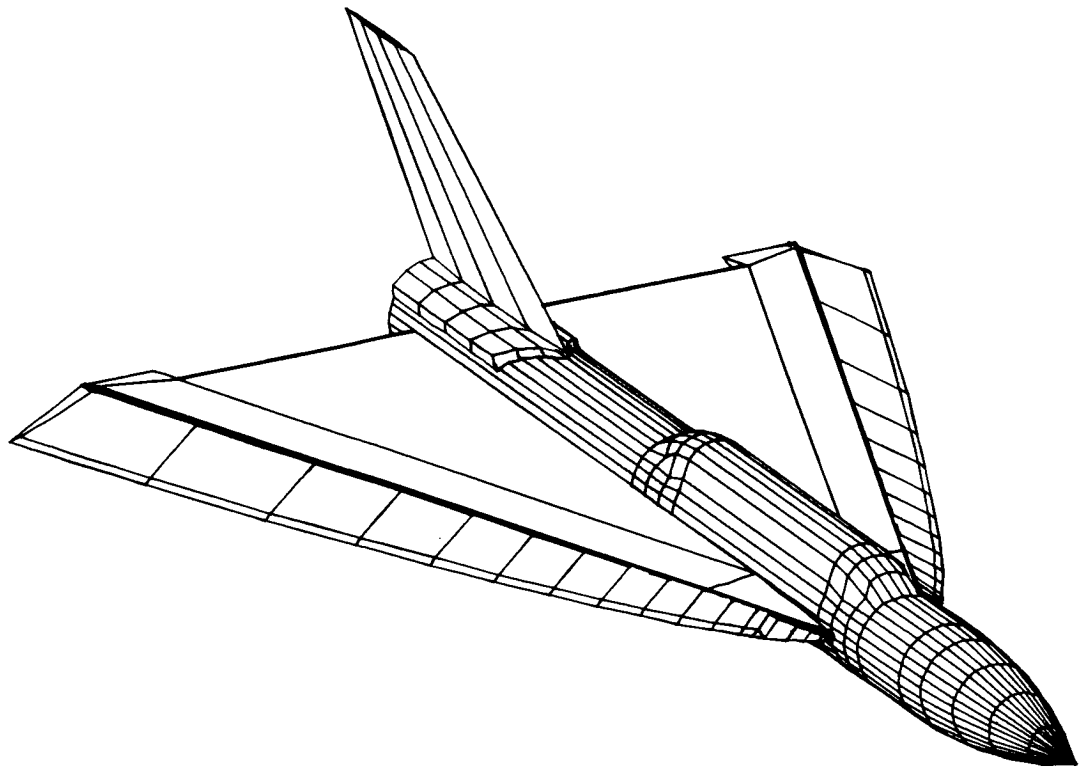
(a) Top and bottom views.

Figure 1. Geometry for aspect-ratio-1.355 slender wing-body configuration with curved vortex flap. Dimensions are in inches.

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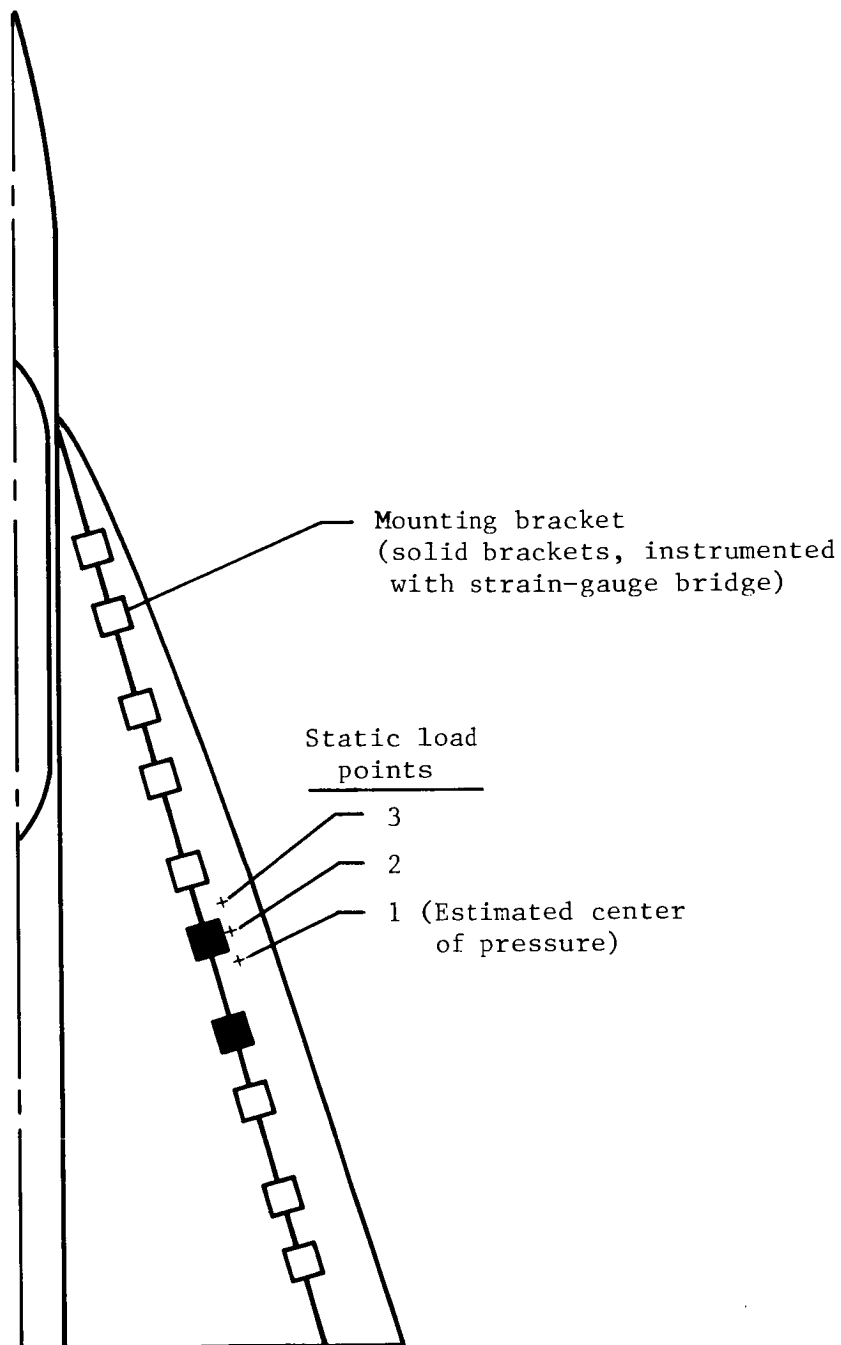
(b) Side and rear views.

Figure 1. Continued.



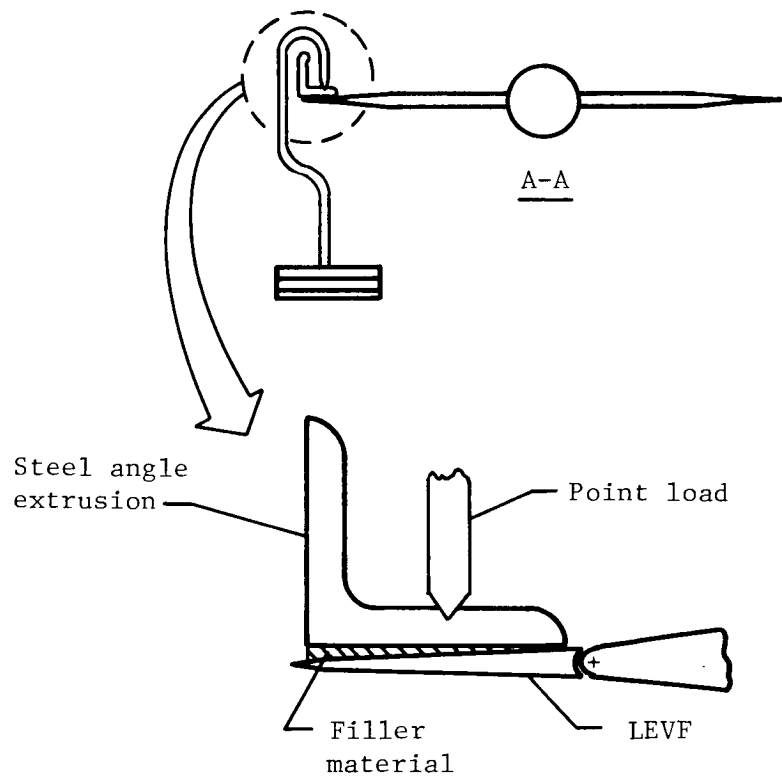
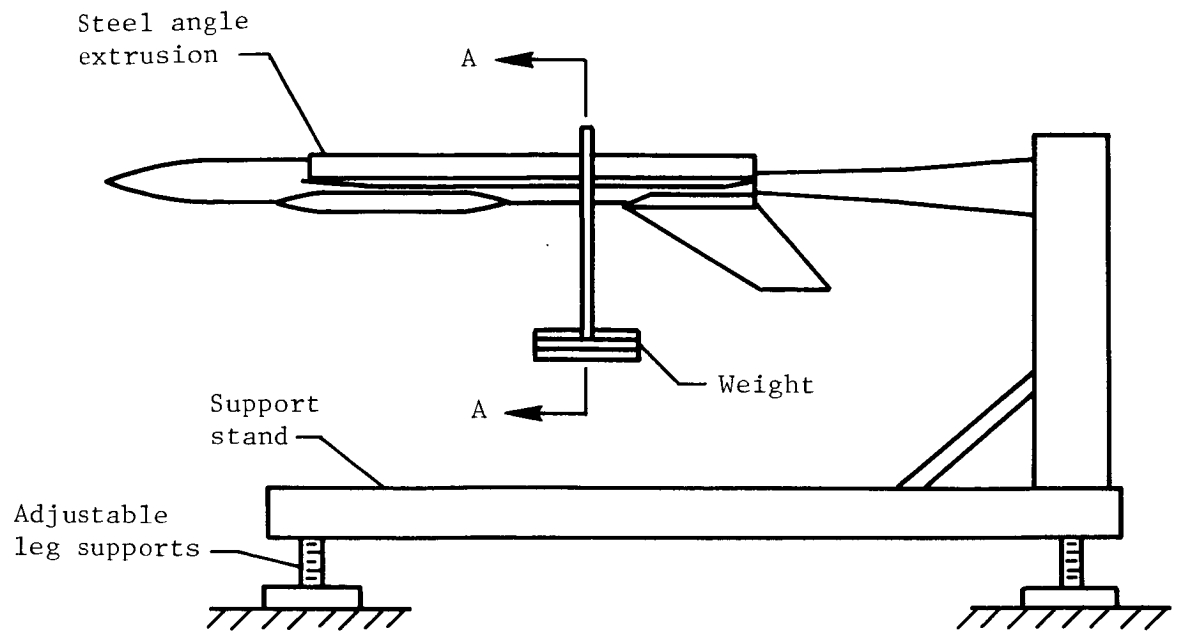
(c) Wireframe drawing of numerical description. $\delta_{\text{LEV}} = 30^\circ$; $\delta_{\text{TEF}} = 10^\circ$.

Figure 1. Concluded.



(a) Locations of LEVF support brackets and static load points.

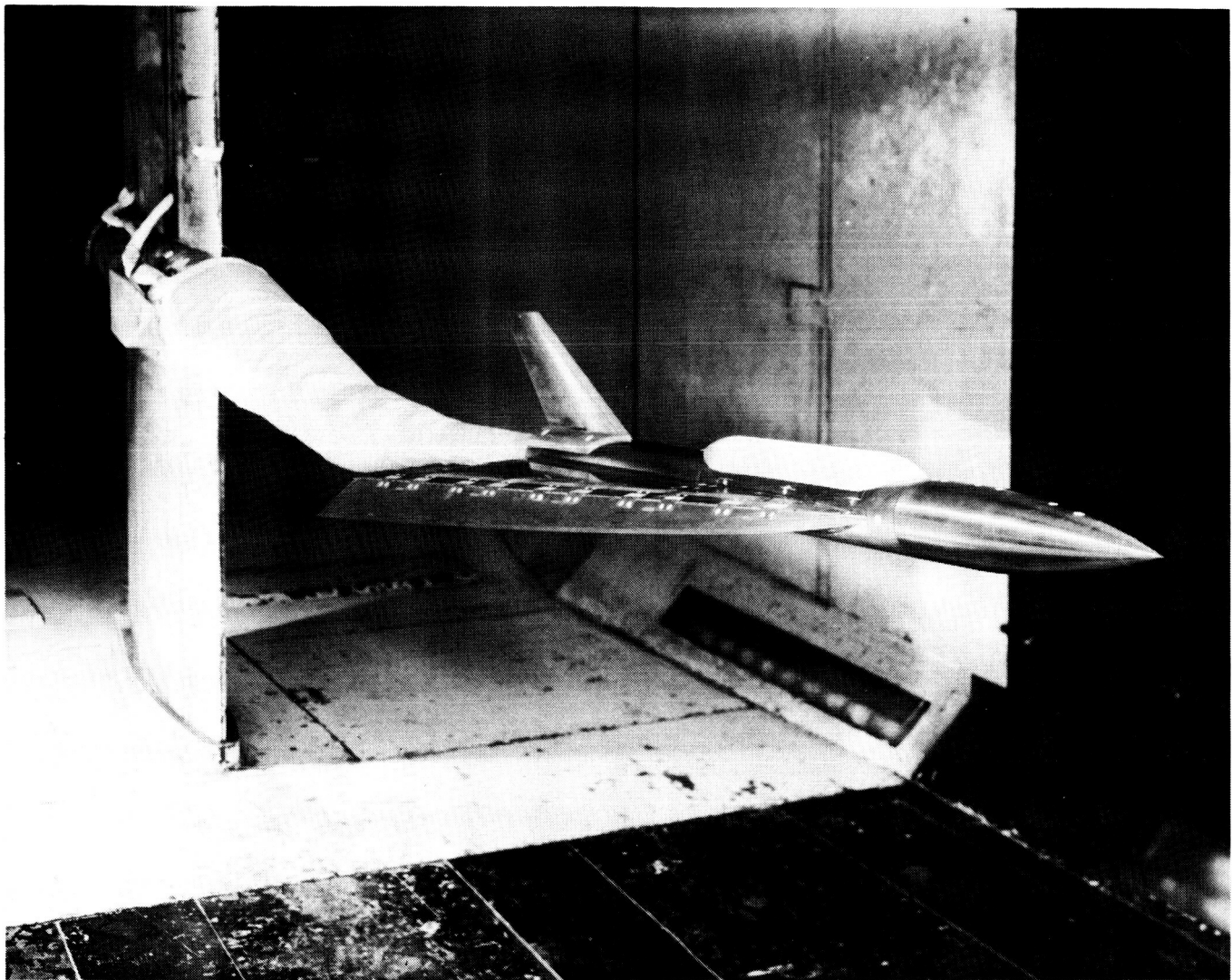
Figure 2. Schematic of LEVF bracket locations and hinge-moment calibration fixture.



(b) Hinge-moment calibration fixture.

Figure 2. Concluded.

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Figure 3. Photograph of model installed in Langley 7- by 10-Foot High-Speed Tunnel.

Table I. Numerical Description of Wing-Body Model With Vortex Flap

'A = 1.355 WING-BODY CONFIGURATION WITH CURVED LEVF (FORMAT PER NASA TM-85767)'

'FUSELAGE'

1	15	17	1	0.	0.	0.	0.	0.	0.	1.	1.	1.	1			
.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2.0000	.0000	.5738	2.0000	.1119	.5628	2.0000	.2196	.5301	2.0000	.4771	.3188	2.0000	.5301	2.0000	.4771	.3188
2.0000	.3188	.4771	2.0000	.4058	.4058	2.0000	.5628	.1119	2.0000	.5301	-.2196	2.0000	.4771	2.0000	.5738	.0000
2.0000	.5301	.2196	2.0000	.5628	.1119	2.0000	.4058	-.4058	2.0000	.3188	-.4771	2.0000	.4771	2.0000	.5628	-.1119
2.0000	.5628	-.1119	2.0000	.5301	-.2196	2.0000	.5628	.1119	2.0000	.4058	-.4058	2.0000	.5301	2.0000	.5628	-.1119
2.0000	.4058	-.4058	2.0000	.3188	-.4771	2.0000	.4058	-.4058	2.0000	.3188	-.4771	2.0000	.4771	2.0000	.4058	-.4058
2.0000	.1119	-.5628	2.0000	.0000	-.5738	2.0000	.1119	-.5628	2.0000	.0000	-.5738	2.0000	.2196	2.0000	.1119	-.5628
4.0000	.0000	1.0054	4.0000	.1962	.9861	4.0000	.1962	.9861	4.0000	.1962	.9861	4.0000	.3848	4.0000	.1962	.9861
4.0000	.5586	.8360	4.0000	.7110	.7110	4.0000	.5586	.8360	4.0000	.7110	.7110	4.0000	.8360	4.0000	.5586	.8360
4.0000	.9289	.3848	4.0000	.9861	.1962	4.0000	.9289	.3848	4.0000	.9861	.1962	4.0000	.3848	4.0000	.9289	.3848
4.0000	.9861	-.1962	4.0000	.9289	-.3848	4.0000	.9861	-.1962	4.0000	.9289	-.3848	4.0000	.3848	4.0000	.9861	-.1962
4.0000	.7110	-.7110	4.0000	.5586	-.8360	4.0000	.7110	-.7110	4.0000	.5586	-.8360	4.0000	.8360	4.0000	.7110	-.7110
4.0000	.1962	-.9861	4.0000	.0000	-1.0054	4.0000	.1962	-.9861	4.0000	.0000	-1.0054	4.0000	.1962	4.0000	.0000	-1.0054
6.0000	.0000	1.3007	6.0000	.2538	1.2757	6.0000	.2538	1.2757	6.0000	.2538	1.2757	6.0000	.4978	6.0000	.2538	1.2757
6.0000	.7226	1.0815	6.0000	.9197	.9197	6.0000	.7226	1.0815	6.0000	.9197	.9197	6.0000	.8360	6.0000	.7226	1.0815
6.0000	1.2017	.4978	6.0000	1.2757	.2538	6.0000	1.2017	.4978	6.0000	1.2757	.2538	6.0000	.3848	6.0000	1.2017	.4978
6.0000	1.2757	-.2538	6.0000	1.2017	-.4978	6.0000	1.2757	-.2538	6.0000	1.2017	-.4978	6.0000	.8360	6.0000	1.2757	-.2538
6.0000	.9197	-.9197	6.0000	.7226	-1.0815	6.0000	.9197	-.9197	6.0000	.7226	-1.0815	6.0000	.3848	6.0000	.9197	-.9197
6.0000	.2538	-1.2757	6.0000	.0000	-1.3007	6.0000	.2538	-1.2757	6.0000	.0000	-1.3007	6.0000	.4978	6.0000	.2538	-1.2757
8.0000	.0000	1.4635	8.0000	.2855	1.4354	8.0000	.2855	1.4354	8.0000	.2855	1.4354	8.0000	.5601	8.0000	.2855	1.4354
8.0000	.8131	1.2168	8.0000	1.0348	1.0348	8.0000	.8131	1.2168	8.0000	1.0348	1.0348	8.0000	.8360	8.0000	.8131	1.2168
8.0000	1.3521	.5601	8.0000	1.4354	.2855	8.0000	1.3521	.5601	8.0000	1.4354	.2855	8.0000	.3848	8.0000	1.3521	.5601
8.0000	1.4354	-.2855	8.0000	1.3521	-.5601	8.0000	1.4354	-.2855	8.0000	1.3521	-.5601	8.0000	.8360	8.0000	1.4354	-.2855
8.0000	1.0348	-1.0348	8.0000	.8131	-1.2168	8.0000	1.0348	-1.0348	8.0000	.8131	-1.2168	8.0000	.3848	8.0000	1.0348	-1.0348
8.0000	.2855	-1.4354	8.0000	.0000	-1.4635	8.0000	.2855	-1.4354	8.0000	.0000	-1.4635	8.0000	.4978	8.0000	.2855	-1.4354
9.5000	.0000	1.5000	9.5000	.2926	1.4712	9.5000	.2926	1.4712	9.5000	.2926	1.4712	9.5000	.5740	9.5000	.2926	1.4712
9.5000	.8334	1.2472	9.5000	1.0607	1.0607	9.5000	.8334	1.2472	9.5000	1.0607	1.0607	9.5000	.8334	9.5000	.8334	1.2472
9.5000	1.3858	.5740	9.5000	1.4712	.2926	9.5000	1.3858	.5740	9.5000	1.4712	.2926	9.5000	.3848	9.5000	1.3858	.5740
9.5000	1.4712	-.2926	9.5000	1.3858	-.5740	9.5000	1.4712	-.2926	9.5000	1.3858	-.5740	9.5000	.8334	9.5000	1.4712	-.2926
9.5000	1.0607	-1.0607	9.5000	.8334	-1.2472	9.5000	1.0607	-1.0607	9.5000	.8334	-1.2472	9.5000	.3848	9.5000	1.0607	-1.0607
9.5000	.2926	-1.4712	9.5000	.0000	-1.5000	9.5000	.2926	-1.4712	9.5000	.0000	-1.5000	9.5000	.5740	9.5000	.2926	-1.4712
12.5900	.0000	1.5000	12.5900	.2926	1.4712	12.5900	.2926	1.4712	12.5900	.2926	1.4712	12.5900	.5740	12.5900	.2926	1.4712
12.5900	.8334	1.2472	12.5900	1.0607	1.0607	12.5900	.8334	1.2472	12.5900	1.0607	1.0607	12.5900	.8334	12.5900	.8334	1.2472
12.5900	1.3858	.5740	12.5900	1.4712	.2926	12.5900	1.3858	.5740	12.5900	1.4712	.2926	12.5900	.3848	12.5900	1.3858	.5740
12.5900	1.4712	-.2926	12.5900	1.3858	-.5740	12.5900	1.4712	-.2926	12.5900	1.3858	-.5740	12.5900	.8334	12.5900	1.4712	-.2926
12.5900	1.0607	-1.0607	12.5900	.8334	-1.2472	12.5900	1.0607	-1.0607	12.5900	.8334	-1.2472	12.5900	.3848	12.5900	1.0607	-1.0607
12.5900	.2926	-1.4712	12.5900	.0000	-1.5000	12.5900	.2926	-1.4712	12.5900	.0000	-1.5000	12.5900	.5740	12.5900	.2926	-1.4712

Table I. Continued

13.5900	.0000	1.9284	13.5900	.2926	1.8846	13.5900	.5740	1.7473
13.5900	.7532	1.2972	13.5900	1.0607	1.0607	13.5900	1.2472	.8334
13.5900	1.3858	.5740	13.5900	1.4712	.2926	13.5900	1.5000	.0000
13.5900	1.4712	-.2926	13.5900	1.3858	-.5740	13.5900	1.2472	-.8334
13.5900	1.0607	-1.0607	13.5900	.8334	-1.2472	13.5900	.5740	-1.3858
13.5900	.2926	-1.4712	13.5900	.0000	-1.5000			
14.5900	.0000	2.1711	14.5900	.2926	2.1274	14.5900	.5740	1.9900
14.5900	.8334	1.7239	14.5900	1.0924	1.0280	14.5900	1.2472	.8334
14.5900	1.3858	.5740	14.5900	1.4712	.2926	14.5900	1.5000	.0000
14.5900	1.4712	-.2926	14.5900	1.3858	-.5740	14.5900	1.2472	-.8334
14.5900	1.0607	-1.0607	14.5900	.8334	-1.2472	14.5900	.5740	-1.3858
14.5900	.2926	-1.4712	14.5900	.0000	-1.5000			
15.5900	.0000	2.2500	15.5900	.2926	2.2062	15.5900	.5740	2.0688
15.5900	.8334	1.8027	15.5900	1.0607	1.2658	15.5900	1.2000	.9000
15.5900	1.3858	.5740	15.5900	1.4712	.2926	15.5900	1.5000	.0000
15.5900	1.4712	-.2926	15.5900	1.3858	-.5740	15.5900	1.2472	-.8334
15.5900	1.0607	-1.0607	15.5900	.8334	-1.2472	15.5900	.5740	-1.3858
15.5900	.2926	-1.4712	15.5900	.0000	-1.5000			
26.4900	.0000	2.2500	26.4900	.2926	2.2062	26.4900	.5740	2.0688
26.4900	.8334	1.8027	26.4900	1.0607	1.2658	26.4900	1.2000	.9000
26.4900	1.3858	.5740	26.4900	1.4712	.2926	26.4900	1.5000	.0000
26.4900	1.4712	-.2926	26.4900	1.3858	-.5740	26.4900	1.2472	-.8334
26.4900	1.0607	-1.0607	26.4900	.8334	-1.2472	26.4900	.5740	-1.3858
26.4900	.2926	-1.4712	26.4900	.0000	-1.5000			
27.4900	.0000	2.1711	27.4900	.2926	2.1274	27.4900	.5740	1.9900
27.4900	.8334	1.7239	27.4900	1.0924	1.0280	27.4900	1.2472	.8334
27.4900	1.3858	.5740	27.4900	1.4712	.2926	27.4900	1.5000	.0000
27.4900	1.4712	-.2926	27.4900	1.3858	-.5740	27.4900	1.2472	-.8334
27.4900	1.0607	-1.0607	27.4900	.8334	-1.2472	27.4900	.5740	-1.3858
27.4900	.2926	-1.4712	27.4900	.0000	-1.5000			
28.4900	.0000	1.9284	28.4900	.2926	1.8846	28.4900	.5740	1.7473
28.4900	.7532	1.2972	28.4900	1.0607	1.0607	28.4900	1.2472	.8334
28.4900	1.3858	.5740	28.4900	1.4712	.2926	28.4900	1.5000	.0000
28.4900	1.4712	-.2926	28.4900	1.3858	-.5740	28.4900	1.2472	-.8334
28.4900	1.0607	-1.0607	28.4900	.8334	-1.2472	28.4900	.5740	-1.3858
28.4900	.2926	-1.4712	28.4900	.0000	-1.5000			
29.4900	.0000	1.5000	29.4900	.2926	1.4712	29.4900	.5740	1.3858
29.4900	.8334	1.2472	29.4900	1.0607	1.0607	29.4900	1.2472	.8334
29.4900	1.3858	.5740	29.4900	1.4712	.2926	29.4900	1.5000	.0000
29.4900	1.4712	-.2926	29.4900	1.3858	-.5740	29.4900	1.2472	-.8334
29.4900	1.0607	-1.0607	29.4900	.8334	-1.2472	29.4900	.5740	-1.3858
29.4900	.2926	-1.4712	29.4900	.0000	-1.5000			
47.5870	.0000	1.5000	47.5870	.2926	1.4712	47.5870	.5740	1.3858
47.5870	.8334	1.2472	47.5870	1.0607	1.0607	47.5870	1.2472	.8334
47.5870	1.3858	.5740	47.5870	1.4712	.2926	47.5870	1.5000	.0000
47.5870	1.4712	-.2926	47.5870	1.3858	-.5740	47.5870	1.2472	-.8334
47.5870	1.0607	-1.0607	47.5870	.8334	-1.2472	47.5870	.5740	-1.3858
47.5870	.2926	-1.4712	47.5870	.0000	-1.5000			

Table I. Continued

'BASIC WING DEFINITION'

2	5	9	2	0.	0.	0.	0.	0.	0.	1.	1.	1.	1
14.812	1.500	.125								14.812	1.500	.125	
14.812	1.500	.125								14.672	1.500	.119	
14.445	1.500	.073								14.381	1.500	.039	
14.812	1.500	.125								14.812	1.500	.125	
14.812	1.500	.125								14.812	1.540	.119	
14.812	1.605	.073								14.812	1.624	.039	
20.127	1.500	.3125								20.127	1.500	.3125	
20.127	3.024	.125								20.127	3.064	.119	
20.127	3.129	.073								20.127	3.148	.039	
45.587	1.500	.3125								45.587	8.800	.3125	
46.786	10.788	.125								46.786	10.828	.119	
46.786	10.893	.073								46.786	10.912	.039	
45.587	1.5	.3125								45.587	8.800	.3125	
47.587	11.028	0.								47.587	11.028	0.	
47.587	11.028	0.								47.587	11.028	0.	

'TRAILING-EDGE FLAP'

3	3	7	2	0.	10.	0.	45.587	0.	0.	1.	1.	1.	1
-.3125	1.50	.0000								-.2528	1.50	.1837	
-.1837	1.50	.2528								.0000	1.50	.3125	
2.0000	1.50	.0000											
-.3125	5.15	.0000								-.2528	5.15	.1837	
-.1837	5.15	.2528								.0000	5.15	.3125	
2.0000	5.15	.0000											
-.3125	8.80	.0000								-.2528	8.80	.1837	
-.1837	8.80	.2528								.0000	8.80	.3125	
2.0000	8.80	.0000											

Table I. Concluded

				- δ LEV						
'VORTEX FLAP				(HINGELINE COORDINATE SYSTEM)'						
4	19	3	2	-30.	0.	16.	14.396	1.381	0.	1. 1. 1. 1
0.	.125	0.	0.	0.	.125	0.	0.	.125	0.	
.539	.103	.022	.539	.318	0.	.539	.318	0.		
1.046	.081	.044	1.046	.477	0.	1.046	.477	0.		
1.702	.054	.071	1.702	.636	0.	1.702	.636	0.		
2.517	.020	.105	2.517	.796	0.	2.517	.796	0.		
3.000	0.	.125	3.000	.621	.04	3.000	.874	0.		
3.537	0.	.125	3.537	.708	.04	3.497	.955	0.		
4.689	0.	.125	4.689	.866	.04	4.655	1.114	0.		
6.032	0.	.125	6.032	1.025	.04	6.003	1.273	0.		
7.586	0.	.125	7.586	1.183	.04	7.561	1.432	0.		
9.374	0.	.125	9.374	1.342	.04	9.352	1.591	0.		
11.428	0.	.125	11.428	1.501	.04	11.409	1.750	0.		
13.796	0.	.125	13.796	1.660	.04	13.779	1.909	0.		
16.548	0.	.125	16.548	1.818	.04	16.534	2.068	0.		
19.804	0.	.125	19.804	1.977	.04	19.792	2.227	0.		
23.797	0.	.125	23.797	2.137	.04	23.787	2.387	0.		
29.160	0.	.125	29.160	2.296	.04	29.153	2.546	0.		
33.733	0.	.125	35.039	2.402	.04	35.289	2.652	0.		
34.566	0.	0.	35.289	2.652	0.	35.289	2.652	0.		
'VERTICAL TAIL AND EXTERNAL MOUNTING BRACKET'										
5	6	7	1	0.	0.	0.	0.	0.	1. 1. 1.	0
39.839	1.3	.7483	39.839	1.3	.7483	39.094	.87	1.2219		
38.332	.43	1.437	37.587	0.	1.5	37.587	0.	1.700		
37.587	0.	1.700								
39.839	1.3	.7483	40.186	1.3	1.0954	39.333	.87	1.461		
38.540	.43	1.645	37.587	0.	1.700	47.979	0.	7.700		
47.979	0.	7.700								
41.776	1.3	.7483	41.776	1.3	1.0954	41.213	.87	1.461		
40.650	.43	1.645	40.087	.143	1.700	49.229	.072	7.700		
49.229	.072	7.700								
43.713	1.3	.7483	43.713	1.3	1.0954	43.338	.87	1.461		
42.962	.43	1.645	42.587	.190	1.700	50.479	.095	7.700		
50.479	0.	7.700								
45.650	1.3	.7483	45.650	1.3	1.0954	45.462	.87	1.461		
45.275	.43	1.645	45.087	.143	1.700	51.729	.072	7.700		
51.729	.072	7.700								
47.587	1.3	.7483	47.587	1.3	1.0954	47.587	.87	1.461		
47.587	.43	1.645	47.587	0.	1.700	52.979	0.	7.700		
52.979	0.	7.700								

Table II. Pressure Orifice Locations

Wing and LEVF Locations

	y , in., at station no.—				
	1 ($x = 20.347$ in.)	2 ($x = 26.097$ in.)	3 ($x = 31.847$ in.)	4 ($x = 37.597$ in.)	5 ($x = 43.347$ in.)
Wing	2.10	2.00	2.50	2.50	2.50
	2.30	2.50	3.50	3.50	3.50
	2.50	3.00	4.50	4.50	4.50
	2.70	3.50	5.10	5.50	5.50
	2.90	3.70	5.30	5.98	6.50
	3.10	3.90	5.50	6.38	7.38
		4.10	5.70	6.78	7.98
		4.30	5.90	6.99	8.38
		4.50	6.10	7.19	8.58
		4.70	6.30	7.39	8.78
				7.59	8.98
				7.79	9.18
				7.99	9.38
					9.58
LEVF ^a	3.29	4.94	6.59	8.23	9.88
	3.43	5.17	6.88	8.57	10.24
	3.57	5.40	7.17	8.90	10.60
	3.71	5.63	7.46	9.23	10.96
	3.85	5.86	7.76	9.57	11.32
	3.99	6.09	8.05	9.90	11.68
	4.13	6.32	8.34	10.23	12.04

^aLocations when LEVF is undeflected.

TEF Locations

x , in., at —	
$y = 3.33$ in.	$y = 6.98$ in.
45.84	45.84
46.09	46.09
46.34	46.34
46.59	46.59
46.84	46.84
47.09	47.09
47.34	47.34

Table III. Index to Tabulated Data

δ_{LEF} , deg	δ_{TEF} , deg	Model orientation	Force/moment data (table IV)	Pressure data (table V)	
			Page no.	Measurements surface	Starting page no.
0	0	Upright	16	Upper	22
↓	10	↓	↓	↓	38
	20				54
30	0		17		70
↓	10	↓	↓	↓	86
	20				102
30	0	Inverted	18	Lower	118
↓	10	↓	↓	↓	134
	20				150
40	0	Upright	19	Upper	166
↓	10	↓	↓	↓	182
	20				198
45	0		20		214
↓	10		↓		230
	20				246
-30	0		21		262
↓	10	↓	↓	↓	278
	20				294

Table IV. Tabulated Force and Moment Data

LEV F DEFLECTION = 0. DEG.								TEF DEFLECTION = 0. DEG.				
MACH	Q	ALPHA	CN	CA	CL	CD	L/D	CMS	CRMS	CYMS	CYS	CHM
.401	215.1	.01	.0030	.0099	.0030	.0099	.31	.0010	.0006	-.0009	-.0001	-.0135
.401	215.2	2.08	.0675	.0096	.0671	.0120	5.59	.0005	.0005	-.0009	.0001	.0645
.401	215.2	4.04	.1379	.0093	.1369	.0190	7.22	.0003	.0006	-.0010	.0003	.1372
.400	213.9	6.13	.2199	.0086	.2177	.0320	6.80	.0007	.0008	-.0010	.0005	.2014
.400	213.8	8.29	.3121	.0076	.3077	.0525	5.86	.0020	.0008	-.0012	.0007	.2554
.400	214.0	9.95	.3875	.0067	.3805	.0735	5.18	.0033	.0008	-.0013	.0009	.2902
.400	214.1	11.02	.4381	.0061	.4288	.0896	4.78	.0045	.0009	-.0014	.0011	.3105
.401	214.8	12.00	.4868	.0054	.4750	.1065	4.46	.0058	.0009	-.0015	.0012	.3300
.401	214.8	12.97	.5365	.0047	.5217	.1249	4.18	.0071	.0006	-.0015	.0014	.3481
.401	214.5	14.02	.5921	.0039	.5736	.1472	3.90	.0088	.0007	-.0016	.0015	.3716
.401	214.6	15.03	.6476	.0031	.6247	.1709	3.65	.0103	.0009	-.0018	.0016	.3901
.401	214.7	15.99	.7015	.0024	.6737	.1956	3.44	.0119	.0012	-.0019	.0018	.4075
.402	215.5	19.38	.9053	-.0002	.8541	.3002	2.84	.0159	.0007	-.0020	.0024	.4587
.401	214.9	21.56	1.0444	-.0023	.9722	.3817	2.55	.0199	.0010	-.0018	.0028	.5040
.401	215.3	23.85	1.1941	-.0046	1.0940	.4785	2.29	.0253	.0011	-.0012	.0033	.5491
.401	215.2	-.02	-.0040	.0094	-.0040	.0094	-.42	.0018	.0008	-.0010	-.0002	-.0122

LEV F DEFLECTION = 0. DEG.								TEF DEFLECTION = 10. DEG.				
MACH	Q	ALPHA	CN	CA	CL	CD	L/D	CMS	CRMS	CYMS	CYS	CHM
.401	214.9	.08	.0705	.0112	.0705	.0113	6.23	-.0254	.0003	-.0010	.0002	.0176
.400	214.2	2.16	.1405	.0112	.1400	.0164	8.51	-.0275	.0004	-.0010	.0004	.1016
.401	214.8	4.17	.2155	.0109	.2141	.0265	8.07	-.0277	.0005	-.0010	.0006	.1765
.401	214.6	6.28	.3057	.0102	.3028	.0436	6.95	-.0291	.0007	-.0011	.0008	.2418
.401	214.6	8.43	.4048	.0092	.3991	.0684	5.83	-.0301	.0006	-.0012	.0011	.2951
.401	214.5	9.99	.4815	.0083	.4728	.0917	5.16	-.0305	.0004	-.0012	.0014	.3287
.401	214.7	10.97	.5314	.0077	.5202	.1087	4.79	-.0304	.0004	-.0013	.0015	.3485
.400	214.4	12.02	.5851	.0071	.5709	.1287	4.43	-.0293	.0006	-.0013	.0017	.3682
.401	215.1	12.97	.6344	.0064	.6168	.1486	4.15	-.0280	.0005	-.0013	.0018	.3844
.401	214.6	13.97	.6878	.0058	.6661	.1716	3.88	-.0264	.0005	-.0014	.0020	.4068
.401	214.8	14.96	.7441	.0052	.7176	.1971	3.64	-.0255	.0007	-.0017	.0021	.4252
.401	215.0	15.98	.8042	.0045	.7718	.2258	3.42	-.0248	.0008	-.0018	.0022	.4438
.402	215.6	19.57	1.0248	.0022	.9648	.3453	2.79	-.0209	.0003	-.0019	.0029	.4996
.403	216.8	21.81	1.1715	.0004	1.0875	.4356	2.50	-.0177	.0006	-.0016	.0034	.5461
.401	215.3	23.00	1.2510	-.0006	1.1517	.4883	2.36	-.0151	.0009	-.0014	.0036	.5702
.400	213.5	.09	.0723	.0110	.0723	.0111	6.49	-.0254	.0003	-.0010	.0002	.0154

LEV F DEFLECTION = 0. DEG.								TEF DEFLECTION = 20. DEG.				
MACH	Q	ALPHA	CN	CA	CL	CD	L/D	CMS	CRMS	CYMS	CYS	CHM
.401	215.0	.11	.0992	.0169	.0992	.0171	5.80	-.0374	.0003	-.0009	.0003	.0214
.401	214.8	2.22	.1706	.0170	.1698	.0236	7.19	-.0393	.0004	-.0009	.0005	.1096
.401	214.4	4.19	.2460	.0168	.2441	.0347	7.03	-.0401	.0006	-.0010	.0007	.1851
.401	215.0	6.33	.3375	.0163	.3337	.0534	6.25	-.0414	.0008	-.0010	.0010	.2515
.401	214.8	8.45	.4348	.0157	.4278	.0794	5.39	-.0419	.0007	-.0011	.0013	.3044
.401	214.6	10.02	.5095	.0152	.4991	.1036	4.82	-.0416	.0006	-.0012	.0015	.3369
.401	214.6	11.04	.5617	.0151	.5484	.1224	4.48	-.0416	.0006	-.0013	.0016	.3575
.401	214.7	12.08	.6195	.0150	.6026	.1443	4.18	-.0427	.0008	-.0014	.0018	.3785
.401	215.1	13.03	.6722	.0147	.6516	.1659	3.93	-.0427	.0010	-.0016	.0019	.3959
.401	215.0	14.01	.7268	.0143	.7017	.1898	3.70	-.0419	.0012	-.0018	.0020	.4186
.401	214.7	15.01	.7837	.0141	.7533	.2165	3.48	-.0413	.0015	-.0020	.0021	.4367
.401	214.6	16.00	.8421	.0138	.8057	.2453	3.28	-.0405	.0015	-.0021	.0023	.4551
.402	215.6	19.62	1.0703	.0130	1.0038	.3716	2.70	-.0391	.0010	-.0022	.0030	.5117
.401	214.9	21.83	1.2176	.0117	1.1260	.4636	2.43	-.0364	.0013	-.0021	.0034	.5583
.402	216.0	23.06	1.3015	.0109	1.1932	.5199	2.30	-.0342	.0013	-.0018	.0037	.5825
.400	214.1	.12	.0991	.0170	.0991	.0172	5.77	-.0373	.0004	-.0010	.0003	.0231

Table IV. Continued

LEV F DEFLECTION = 30. DEG.

TEF DEFLECTION = 0. DEG.

MACH	Q	ALPHA	CN	CA	CL	CD	L/D	CMS	CRMS	CYMS	CYS	CHM
.400	209.4	-.11	-.0475	.0158	-.0475	.0159	-3.00	.0019	.0005	-.0009	-.0003	-.1095
.400	209.4	1.93	.0193	.0112	.0189	.0119	1.59	.0017	.0005	-.0009	-.0001	-.0510
.401	209.8	3.94	.0784	.0067	.0777	.0121	6.43	.0009	.0006	-.0009	.0001	.0158
.400	209.6	5.93	.1350	.0020	.1340	.0160	8.40	.0007	.0005	-.0011	.0003	.0922
.401	210.0	8.07	.2045	-.0048	.2031	.0240	8.48	.0007	.0006	-.0011	.0004	.1894
.401	209.7	8.97	.2348	-.0081	.2332	.0286	8.14	.0010	.0006	-.0011	.0005	.2311
.400	209.4	9.96	.2703	-.0120	.2683	.0349	7.69	.0011	.0006	-.0011	.0006	.2766
.401	210.1	11.04	.3117	-.0165	.3091	.0435	7.11	.0009	.0007	-.0012	.0008	.3233
.400	209.2	12.10	.3558	-.0210	.3523	.0540	6.52	.0007	.0007	-.0012	.0009	.3638
.400	209.5	13.04	.3969	-.0248	.3922	.0654	6.00	.0005	.0006	-.0012	.0010	.3946
.400	209.7	13.99	.4401	-.0285	.4339	.0787	5.51	.0004	.0007	-.0013	.0011	.4204
.400	209.7	14.91	.4842	-.0321	.4761	.0936	5.09	.0004	.0007	-.0013	.0012	.4440
.401	209.7	16.02	.5376	-.0359	.5266	.1139	4.62	.0014	.0008	-.0013	.0014	.4678
.401	210.0	18.80	.6790	-.0419	.6562	.1792	3.66	.0057	.0008	-.0003	.0019	.5160
.401	210.5	20.97	.8127	-.0466	.7756	.2473	3.14	.0062	.0013	.0013	.0025	.5452
.402	211.0	23.19	.9494	-.0516	.8930	.3264	2.74	.0102	.0002	.0030	.0032	.5718
.401	210.0	-.14	-.0529	.0156	-.0528	.0157	-3.36	.0022	.0005	-.0010	-.0003	-.1048

LEV F DEFLECTION = 30. DEG.

TEF DEFLECTION = 10. DEG.

MACH	Q	ALPHA	CN	CA	CL	CD	L/D	CMS	CRMS	CYMS	CYS	CHM
.401	213.4	-.03	.0191	.0149	.0191	.0149	1.28	-.0240	-.0009	-.0012	.0001	-.0826
.401	213.8	2.07	.0846	.0104	.0842	.0134	6.28	-.0234	-.0008	-.0011	.0003	-.0265
.401	213.7	3.97	.1375	.0066	.1367	.0161	8.50	-.0235	-.0007	-.0011	.0005	.0321
.400	213.1	6.04	.2044	.0012	.2031	.0227	8.96	-.0258	-.0008	-.0013	.0007	.1187
.400	213.2	8.09	.2757	-.0056	.2737	.0332	8.24	-.0270	-.0008	-.0012	.0009	.2158
.401	213.6	9.00	.3073	-.0091	.3050	.0391	7.79	-.0269	-.0008	-.0012	.0010	.2596
.400	213.1	10.02	.3450	-.0132	.3421	.0470	7.28	-.0269	-.0008	-.0011	.0011	.3073
.401	213.6	10.98	.3835	-.0174	.3798	.0559	6.79	-.0271	-.0009	-.0011	.0012	.3510
.400	213.2	11.97	.4235	-.0216	.4187	.0667	6.28	-.0273	-.0009	-.0011	.0013	.3894
.401	213.4	13.06	.4728	-.0261	.4665	.0814	5.73	-.0276	-.0009	-.0011	.0015	.4255
.401	214.1	13.97	.5154	-.0297	.5074	.0956	5.31	-.0280	-.0009	-.0012	.0016	.4510
.401	213.3	15.03	.5683	-.0337	.5576	.1148	4.86	-.0283	-.0009	-.0013	.0017	.4780
.401	213.5	16.75	.6548	-.0388	.6382	.1515	4.21	-.0267	-.0008	-.0010	.0020	.5131
.402	214.5	18.95	.7806	-.0428	.7521	.2130	3.53	-.0267	-.0011	.0000	.0025	.5536
.401	213.6	21.15	.9207	-.0475	.8758	.2878	3.04	-.0274	-.0013	.0018	.0032	.5826
.401	214.2	23.54	1.0697	-.0524	1.0016	.3791	2.64	-.0226	-.0016	.0039	.0040	.6113
.401	213.8	-.04	.0163	.0152	.0163	.0152	1.07	-.0237	-.0008	-.0012	.0001	-.0792

LEV F DEFLECTION = 30. DEG.

TEF DEFLECTION = 20. DEG.

MACH	Q	ALPHA	CN	CA	CL	CD	L/D	CMS	CRMS	CYMS	CYS	CHM
.401	213.2	.00	.0563	.0210	.0563	.0210	2.68	-.0391	.0002	-.0011	.0002	-.0612
.401	213.4	2.11	.1210	.0162	.1203	.0207	5.83	-.0382	.0001	-.0011	.0004	-.0010
.401	213.4	4.04	.1757	.0122	.1744	.0245	7.11	-.0386	.0001	-.0011	.0005	.0598
.401	213.2	6.11	.2430	.0068	.2409	.0327	7.37	-.0406	-.0001	-.0011	.0008	.1503
.401	213.1	8.18	.3151	.0001	.3119	.0449	6.95	-.0416	-.0001	-.0010	.0010	.2485
.401	213.3	9.08	.3479	-.0035	.3441	.0514	6.69	-.0416	-.0001	-.0010	.0011	.2926
.400	212.9	10.01	.3828	-.0074	.3783	.0593	6.38	-.0416	-.0001	-.0010	.0012	.3360
.401	213.3	10.98	.4213	-.0116	.4158	.0689	6.04	-.0419	-.0002	-.0010	.0013	.3796
.401	213.2	12.02	.4650	-.0161	.4581	.0811	5.65	-.0423	-.0002	-.0010	.0014	.4190
.401	213.0	13.06	.5120	-.0204	.5034	.0958	5.26	-.0429	-.0001	-.0010	.0016	.4526
.401	213.5	14.03	.5597	-.0243	.5489	.1121	4.90	-.0436	.0000	-.0011	.0017	.4798
.400	212.7	15.01	.6095	-.0277	.5958	.1311	4.55	-.0443	.0000	-.0012	.0018	.5041
.402	213.9	16.86	.7048	-.0322	.6838	.1737	3.94	-.0431	.0001	-.0011	.0021	.5398
.401	213.3	19.03	.8343	-.0346	.8000	.2394	3.34	-.0457	-.0004	-.0003	.0027	.5813
.402	214.6	21.28	.9806	-.0385	.9277	.3201	2.90	-.0468	-.0002	.0016	.0033	.6098
.401	213.8	23.29	1.1185	-.0420	1.0440	.4037	2.59	-.0475	.0006	.0034	.0039	.6374
.401	213.0	.04	.0580	.0209	.0580	.0209	2.77	-.0389	.0001	-.0011	.0002	-.0573

Table IV. Continued

LEV F DEFLECTION = 30. DEG.					MODEL INVERTED			TEF DEFLECTION = 0. DEG.				
MACH	Q	ALPHA	CN	CA	CL	CD	L/D	CMS	CRMS	CYMS	CYS	CHM
.400	213.2	-.10	-.0428	.0158	-.0428	.0159	-2.69	.0002	.0001	.0005	-.0001	.0709
.401	214.3	1.99	.0263	.0110	.0259	.0119	2.17	.0002	.0002	.0005	.0001	.0218
.401	213.7	3.96	.0845	.0067	.0839	.0125	6.71	-.0006	.0003	.0005	.0003	-.0297
.401	213.8	5.96	.1437	.0020	.1428	.0169	8.44	-.0009	.0004	.0006	.0005	-.0924
.400	213.0	8.06	.2136	-.0044	.2122	.0255	8.31	-.0009	.0006	.0005	.0007	-.1710
.400	213.0	8.96	.2457	-.0077	.2439	.0306	7.97	-.0006	.0007	.0005	.0008	-.2054
.400	213.5	10.02	.2851	-.0118	.2828	.0380	7.44	-.0006	.0007	.0005	.0010	-.2434
.400	213.5	11.03	.3251	-.0159	.3221	.0466	6.92	-.0007	.0008	.0005	.0011	-.2785
.400	213.2	12.02	.3667	-.0198	.3628	.0570	6.37	-.0010	.0008	.0005	.0012	-.3091
.400	213.4	13.00	.4105	-.0236	.4053	.0693	5.85	-.0012	.0009	.0006	.0014	-.3361
.401	214.0	13.98	.4559	-.0275	.4491	.0835	5.38	-.0013	.0009	.0005	.0015	-.3597
.400	212.8	14.95	.5032	-.0310	.4942	.0999	4.95	-.0012	.0010	.0005	.0016	-.3795
.401	213.9	16.06	.5584	-.0347	.5463	.1211	4.51	-.0002	.0009	.0005	.0018	-.3972
.401	213.9	18.90	.6990	-.0405	.6744	.1881	3.59	.0065	.0012	.0008	.0022	-.4336
.401	214.1	21.05	.8306	-.0453	.7914	.2561	3.09	.0064	.0015	.0008	.0026	-.4576
.401	214.5	23.38	.9751	-.0518	.9155	.3394	2.70	.0083	.0010	.0003	.0030	-.4872
.401	213.8	-.10	-.0349	.0164	-.0349	.0165	-2.12	.0001	.0002	.0005	.0000	.0557

LEV F DEFLECTION = 30. DEG.					MODEL INVERTED			TEF DEFLECTION = 10. DEG.				
MACH	Q	ALPHA	CN	CA	CL	CD	L/D	CMS	CRMS	CYMS	CYS	CHM
.401	213.4	-.03	.0216	.0168	.0216	.0168	1.28	-.0241	.0003	.0005	.0002	.0562
.401	213.5	2.02	.0853	.0122	.0848	.0152	5.58	-.0235	.0003	.0006	.0004	.0092
.400	213.2	4.02	.1417	.0081	.1408	.0180	7.82	-.0235	.0004	.0006	.0006	-.0415
.401	213.6	6.05	.2054	.0031	.2039	.0247	8.26	-.0246	.0005	.0006	.0008	-.1100
.401	214.0	8.12	.2769	-.0038	.2747	.0354	7.76	-.0249	.0007	.0006	.0010	-.1886
.401	213.7	9.05	.3087	-.0073	.3061	.0413	7.41	-.0247	.0007	.0005	.0011	-.2235
.401	213.7	10.01	.3457	-.0110	.3424	.0493	6.95	-.0249	.0008	.0005	.0012	-.2592
.401	213.8	10.98	.3850	-.0151	.3808	.0585	6.51	-.0256	.0007	.0005	.0013	-.2929
.401	213.8	12.06	.4313	-.0194	.4259	.0711	5.99	-.0260	.0007	.0006	.0015	-.3265
.401	213.5	13.00	.4733	-.0233	.4664	.0838	5.57	-.0264	.0007	.0005	.0016	-.3516
.401	213.3	13.98	.5204	-.0271	.5115	.0995	5.14	-.0270	.0009	.0005	.0018	-.3752
.401	213.4	14.95	.5698	-.0307	.5584	.1174	4.76	-.0278	.0010	.0005	.0019	-.3962
.402	214.3	16.02	.6257	-.0339	.6108	.1400	4.36	-.0275	.0010	.0005	.0021	-.4136
.401	213.7	19.02	.7788	-.0395	.7491	.2165	3.46	-.0213	.0015	.0006	.0026	-.4497
.402	214.3	21.18	.9165	-.0423	.8699	.2918	2.98	-.0211	.0022	.0005	.0030	-.4756
.401	214.1	23.56	1.0723	-.0476	1.0019	.3851	2.60	-.0189	.0029	-.0002	.0035	-.5016
.400	213.0	-.03	.0233	.0176	.0233	.0175	1.33	-.0239	.0003	.0006	.0002	.0516

LEV F DEFLECTION = 30. DEG.					MODEL INVERTED			TEF DEFLECTION = 20. DEG.				
MACH	Q	ALPHA	CN	CA	CL	CD	L/D	CMS	CRMS	CYMS	CYS	CHM
.401	213.2	.02	.0671	.0233	.0671	.0233	2.88	-.0419	.0005	.0004	.0004	.0525
.401	213.9	2.07	.1305	.0186	.1298	.0233	5.58	-.0413	.0006	.0004	.0006	.0050
.401	213.6	4.10	.1891	.0144	.1876	.0279	6.72	-.0421	.0008	.0003	.0008	-.0472
.401	213.3	6.09	.2555	.0095	.2530	.0366	6.91	-.0442	.0010	.0002	.0010	-.1182
.400	213.0	8.20	.3279	.0025	.3242	.0492	6.59	-.0450	.0013	.0002	.0013	-.1993
.400	213.0	9.09	.3526	.0000	.3481	.0557	6.25	-.0422	.0031	.0003	.0015	-.2326
.400	213.1	9.99	.3867	-.0035	.3815	.0636	6.00	-.0424	.0032	.0002	.0016	-.2663
.400	213.2	11.06	.4401	-.0087	.4336	.0759	5.71	-.0468	.0004	.0004	.0016	-.3046
.401	213.3	11.99	.4791	-.0125	.4712	.0874	5.39	-.0469	.0006	.0005	.0017	-.3330
.401	214.0	13.02	.5203	-.0158	.5105	.1018	5.01	-.0456	.0022	.0004	.0020	-.3619
.401	213.5	13.97	.5667	-.0193	.5546	.1181	4.70	-.0466	.0021	.0004	.0021	-.3890
.401	213.6	14.98	.6204	-.0223	.6050	.1389	4.36	-.0478	.0029	.0004	.0023	-.4069
.401	213.4	16.04	.6825	-.0266	.6632	.1631	4.07	-.0504	.0014	.0004	.0024	-.4276
.401	213.7	19.05	.8373	-.0278	.8005	.2470	3.24	-.0432	-.0018	.0014	.0026	-.4509
.402	214.4	21.27	.9965	-.0298	.9394	.3337	2.82	-.0513	-.0016	.0007	.0031	-.4608
.401	214.0	23.35	1.1149	-.0336	1.0369	.4111	2.52	-.0450	-.0013	.0009	.0035	-.4849
.401	213.3	.00	.0559	.0260	.0559	.0260	2.15	-.0376	.0008	.0009	.0004	.0550

Table IV. Continued

LEV F DEFLECTION = 40. DEG.

TEF DEFLECTION = 0. DEG.

MACH	Q	ALPHA	CN	CA	CL	CD	L/D	CMS	CRMS	CYMS	CYS	CHM
.402	214.2	-.14	-.0580	.0189	-.0579	.0191	-3.04	.0001	.0003	-.0010	-.0003	-.1022
.401	213.7	1.94	.0091	.0139	.0087	.0142	.61	.0002	.0003	-.0010	-.0001	-.0611
.401	213.8	3.92	.0705	.0080	.0698	.0128	5.44	-.0003	.0003	-.0010	.0001	-.0067
.401	213.2	5.96	.1276	.0026	.1267	.0158	7.99	-.0013	.0005	-.0011	.0002	.0530
.400	212.5	8.01	.1881	-.0040	.1869	.0222	8.40	-.0012	.0004	-.0011	.0004	.1346
.400	212.8	9.98	.2493	-.0125	.2477	.0309	8.00	-.0005	.0004	-.0011	.0006	.2256
.401	213.1	11.00	.2817	-.0175	.2799	.0366	7.65	.0002	.0005	-.0011	.0007	.2746
.400	212.8	11.99	.3145	-.0227	.3124	.0431	7.24	.0008	.0004	-.0010	.0008	.3223
.400	212.9	13.01	.3508	-.0283	.3481	.0514	6.77	.0009	.0003	-.0011	.0009	.3700
.400	213.0	14.00	.3890	-.0337	.3856	.0615	6.27	.0003	.0003	-.0011	.0010	.4107
.400	212.8	15.03	.4335	-.0393	.4289	.0745	5.76	-.0009	.0003	-.0010	.0012	.4468
.401	213.1	16.04	.4794	-.0445	.4730	.0897	5.27	-.0020	.0003	-.0008	.0013	.4733
.400	212.7	18.65	.6063	-.0560	.5923	.1409	4.21	-.0016	.0003	.0009	.0019	.5245
.401	213.1	20.81	.7165	-.0624	.6919	.1962	3.53	.0015	.0009	.0035	.0025	.5567
.401	213.4	23.12	.8569	-.0688	.8151	.2731	2.98	.0019	.0023	.0067	.0032	.5879
.401	213.2	-.14	-.0586	.0189	-.0586	.0190	-3.08	.0005	.0002	-.0011	-.0003	-.0985

LEV F DEFLECTION = 40. DEG.

TEF DEFLECTION = 10. DEG.

MACH	Q	ALPHA	CN	CA	CL	CD	L/D	CMS	CRMS	CYMS	CYS	CHM
.400	214.6	-.06	.0135	.0187	.0135	.0187	.72	-.0276	.0002	-.0011	.0000	-.0835
.400	214.6	2.01	.0770	.0136	.0765	.0163	4.70	-.0272	.0003	-.0011	.0002	-.0404
.400	214.3	3.96	.1371	.0078	.1363	.0173	7.89	-.0284	.0003	-.0012	.0004	.0158
.401	214.7	5.99	.1979	.0022	.1966	.0229	8.59	-.0312	.0006	-.0012	.0005	.0794
.400	214.6	8.07	.2647	-.0050	.2628	.0322	8.17	-.0333	.0005	-.0012	.0007	.1696
.400	214.2	9.97	.3250	-.0137	.3225	.0428	7.54	-.0331	.0005	-.0011	.0009	.2620
.400	214.3	11.00	.3583	-.0190	.3553	.0497	7.15	-.0327	.0004	-.0011	.0010	.3145
.400	214.5	12.04	.3923	-.0248	.3888	.0576	6.75	-.0322	.0004	-.0011	.0011	.3663
.400	214.6	13.01	.4275	-.0304	.4234	.0667	6.35	-.0320	.0003	-.0010	.0013	.4135
.400	214.6	14.00	.4648	-.0360	.4597	.0775	5.93	-.0324	.0002	-.0010	.0014	.4544
.400	214.0	14.96	.5052	-.0414	.4988	.0904	5.52	-.0335	.0004	-.0009	.0015	.4883
.400	214.6	15.99	.5527	-.0470	.5443	.1070	5.09	-.0349	.0006	-.0007	.0016	.5170
.400	214.4	18.71	.6891	-.0594	.6718	.1648	4.08	-.0353	.0005	.0006	.0022	.5718
.401	214.9	20.86	.8049	-.0660	.7757	.2249	3.45	-.0339	.0010	.0033	.0029	.6073
.401	215.6	23.02	.9442	-.0722	.8973	.3027	2.96	-.0360	.0009	.0060	.0037	.6431
.400	214.3	-.08	.0089	.0190	.0090	.0190	.47	-.0274	.0004	-.0012	.0000	-.0821

LEV F DEFLECTION = 40. DEG.

TEF DEFLECTION = 20. DEG.

MACH	Q	ALPHA	CN	CA	CL	CD	L/D	CMS	CRMS	CYMS	CYS	CHM
.401	215.4	-.02	.0498	.0245	.0498	.0245	2.03	-.0420	.0004	-.0009	.0002	-.0681
.401	215.2	2.04	.1118	.0193	.1110	.0233	4.77	-.0412	.0005	-.0009	.0003	-.0220
.401	214.8	3.97	.1688	.0137	.1674	.0253	6.61	-.0417	.0005	-.0009	.0005	.0330
.401	215.0	6.01	.2293	.0082	.2272	.0322	7.05	-.0438	.0007	-.0011	.0007	.0997
.401	214.9	8.08	.2964	.0013	.2933	.0429	6.83	-.0465	.0006	-.0011	.0009	.1916
.400	214.6	9.99	.3607	-.0074	.3565	.0553	6.45	-.0473	.0004	-.0010	.0011	.2883
.400	214.1	10.97	.3938	-.0125	.3890	.0626	6.21	-.0474	.0004	-.0009	.0012	.3393
.401	214.8	11.97	.4275	-.0181	.4220	.0709	5.95	-.0471	.0004	-.0009	.0013	.3886
.401	215.2	13.00	.4638	-.0241	.4573	.0809	5.65	-.0469	.0003	-.0009	.0014	.4391
.401	214.7	13.99	.5014	-.0299	.4937	.0922	5.36	-.0471	.0004	-.0009	.0015	.4802
.400	214.5	15.04	.5450	-.0360	.5357	.1067	5.02	-.0481	.0005	-.0009	.0016	.5159
.401	215.2	15.96	.5880	-.0408	.5765	.1225	4.71	-.0493	.0006	-.0008	.0018	.5399
.401	215.3	18.76	.7317	-.0522	.7097	.1858	3.82	-.0512	.0005	.0006	.0024	.5948
.400	214.6	20.91	.8507	-.0570	.8150	.2504	3.26	-.0508	.0017	.0031	.0029	.6265
.402	215.8	23.09	1.0024	-.0628	.9468	.3353	2.82	-.0572	.0015	.0054	.0038	.6671
.400	214.5	-.05	.0486	.0246	.0486	.0245	1.98	-.0424	.0008	-.0009	.0001	-.0629

Table IV. Continued

LEV F DEFLECTION = 45. DEG.

TEF DEFLECTION = 0. DEG.

MACH	Q	ALPHA	CN	CA	CL	CD	L/D	CMS	CRMS	CYMS	CYS	CHM
.401	213.5	-.14	-.0586	.0206	-.0585	.0208	-2.82	-.0005	.0003	-.0009	-.0003	-.1123
.401	213.6	1.92	.0069	.0154	.0063	.0157	.41	-.0005	.0003	-.0009	-.0001	-.0695
.401	213.3	3.89	.0685	.0098	.0676	.0144	4.70	-.0013	.0003	-.0009	.0001	-.0213
.401	213.2	5.92	.1280	.0039	.1269	.0171	7.44	-.0026	.0004	-.0009	.0003	.0370
.400	212.8	7.99	.1876	-.0020	.1860	.0241	7.71	-.0030	.0004	-.0011	.0004	.1069
.401	213.0	9.94	.2464	-.0098	.2444	.0328	7.44	-.0024	.0004	-.0011	.0006	.1895
.400	212.6	10.97	.2768	-.0151	.2746	.0378	7.26	-.0017	.0004	-.0009	.0007	.2381
.400	212.5	12.05	.3098	-.0212	.3074	.0439	6.99	-.0009	.0003	-.0009	.0008	.2916
.401	213.0	13.09	.3434	-.0270	.3406	.0515	6.61	-.0004	.0001	-.0009	.0009	.3444
.401	213.2	14.05	.3737	-.0328	.3705	.0590	6.28	-.0003	.0002	-.0009	.0010	.3877
.401	213.0	15.07	.4114	-.0382	.4071	.0701	5.81	-.0002	.0004	-.0011	.0011	.4318
.401	213.5	16.00	.4469	-.0446	.4419	.0803	5.50	-.0010	.0003	-.0010	.0012	.4664
.401	212.9	18.56	.5677	-.0587	.5569	.1250	4.45	-.0048	.0003	.0002	.0017	.5247
.402	214.1	20.69	.6746	-.0665	.6546	.1761	3.72	-.0035	.0003	.0033	.0024	.5540
.402	214.7	22.64	.7836	-.0725	.7511	.2347	3.20	-.0024	.0011	.0065	.0031	.5788
.401	213.2	-.17	-.0539	.0209	-.0538	.0211	-2.56	-.0023	.0002	-.0010	-.0003	-.1068

LEV F DEFLECTION = 45. DEG.

TEF DEFLECTION = 10. DEG.

MACH	Q	ALPHA	CN	CA	CL	CD	L/D	CMS	CRMS	CYMS	CYS	CHM
.401	213.1	-.07	.0079	.0193	.0079	.0193	.41	-.0267	.0002	-.0011	.0000	-.0819
.400	212.9	1.98	.0705	.0143	.0700	.0167	4.19	-.0263	.0001	-.0011	.0002	-.0395
.400	213.0	3.96	.1316	.0085	.1307	.0176	7.43	-.0272	.0003	-.0011	.0004	.0098
.400	212.7	5.99	.1914	.0029	.1900	.0228	8.33	-.0289	.0004	-.0011	.0005	.0675
.400	212.9	8.06	.2552	-.0036	.2532	.0322	7.87	-.0307	.0004	-.0012	.0007	.1446
.401	213.1	10.04	.3164	-.0122	.3137	.0432	7.27	-.0305	.0004	-.0011	.0009	.2338
.400	212.4	11.03	.3454	-.0175	.3424	.0489	7.00	-.0300	.0004	-.0010	.0010	.2812
.402	213.9	12.06	.3776	-.0235	.3742	.0559	6.70	-.0294	.0004	-.0009	.0011	.3342
.401	213.2	13.02	.4068	-.0293	.4030	.0631	6.38	-.0287	.0003	-.0010	.0012	.3816
.400	212.9	13.97	.4389	-.0351	.4344	.0719	6.04	-.0284	.0003	-.0010	.0013	.4298
.401	213.8	15.06	.4774	-.0417	.4719	.0838	5.63	-.0285	.0002	-.0010	.0014	.4786
.401	213.6	15.93	.5131	-.0471	.5063	.0956	5.30	-.0298	.0003	-.0009	.0015	.5140
.401	213.0	18.63	.6416	-.0622	.6279	.1460	4.30	-.0342	.0002	.0011	.0021	.5775
.402	214.8	20.79	.7571	-.0698	.7325	.2035	3.60	-.0341	-.0001	.0037	.0028	.6093
.401	213.5	22.92	.8802	-.0767	.8406	.2721	3.09	-.0347	.0005	.0068	.0035	.6400
.400	212.9	-.10	.0042	.0194	.0042	.0194	.22	-.0265	.0002	-.0012	.0000	-.0758

LEV F DEFLECTION = 45. DEG.

TEF DEFLECTION = 20. DEG.

MACH	Q	ALPHA	CN	CA	CL	CD	L/D	CMS	CRMS	CYMS	CYS	CHM
.400	213.3	-.03	.0476	.0263	.0476	.0262	1.82	-.0442	.0002	-.0011	.0002	-.0636
.401	213.6	2.05	.1090	.0210	.1082	.0249	4.35	-.0426	-.0001	-.0011	.0004	-.0213
.401	213.9	3.97	.1665	.0156	.1650	.0271	6.09	-.0430	.0003	-.0012	.0005	.0248
.400	213.3	6.01	.2253	.0102	.2230	.0337	6.62	-.0446	.0006	-.0013	.0006	.0820
.400	213.1	8.08	.2945	.0039	.2911	.0453	6.43	-.0482	.0012	-.0015	.0008	.1627
.401	214.1	10.07	.3574	-.0045	.3526	.0581	6.07	-.0487	.0009	-.0014	.0010	.2542
.401	213.9	11.05	.3877	-.0099	.3824	.0646	5.92	-.0483	.0005	-.0011	.0012	.3037
.401	213.7	10.91	.3829	-.0091	.3777	.0635	5.94	-.0482	.0005	-.0012	.0011	.2986
.400	213.2	12.00	.4177	-.0154	.4118	.0718	5.73	-.0484	.0005	-.0010	.0013	.3546
.402	214.4	13.09	.4541	-.0220	.4473	.0814	5.50	-.0485	.0004	-.0010	.0014	.4124
.401	213.7	13.99	.4844	-.0276	.4767	.0903	5.28	-.0484	.0004	-.0011	.0015	.4585
.402	214.4	14.93	.5174	-.0336	.5086	.1008	5.04	-.0482	.0004	-.0011	.0015	.5033
.400	213.1	16.10	.5630	-.0411	.5523	.1166	4.74	-.0491	.0005	-.0010	.0017	.5507
.400	213.2	18.65	.6876	-.0547	.6690	.1681	3.98	-.0537	.0004	.0007	.0023	.6089
.401	214.0	20.79	.8009	-.0604	.7702	.2277	3.38	-.0537	.0000	.0034	.0030	.6367
.401	214.1	22.92	.9238	-.0657	.8764	.2993	2.93	-.0541	.0012	.0064	.0036	.6601
.400	212.9	-.07	.0435	.0267	.0435	.0267	1.63	-.0438	.0004	-.0013	.0001	-.0508

Table IV. Concluded

LEV F DEFLECTION = -30. DEG.

TEF DEFLECTION = 0. DEG.

MACH	Q	ALPHA	CN	CA	CL	CD	L/D	CMS	CRMS	CYMS	CYS	CHM
.401	210.4	.12	.0546	.0163	.0546	.0164	3.33	.0017	.0005	-.0007	.0000	.0842
.401	210.4	2.24	.1289	.0201	.1280	.0251	5.10	.0022	.0005	-.0007	.0003	.1216
.401	210.2	4.24	.2028	.0234	.2005	.0383	5.24	.0028	.0007	-.0008	.0005	.1531
.401	210.3	6.34	.2899	.0264	.2852	.0583	4.89	.0038	.0007	-.0008	.0007	.1860
.401	210.5	8.48	.3839	.0294	.3753	.0857	4.38	.0050	.0007	-.0010	.0010	.2153
.401	210.1	8.97	.4055	.0300	.3958	.0929	4.26	.0054	.0007	-.0010	.0010	.2218
.401	210.5	10.05	.4545	.0314	.4421	.1102	4.01	.0063	.0006	-.0011	.0012	.2360
.401	210.3	10.92	.4966	.0324	.4815	.1260	3.82	.0070	.0005	-.0011	.0013	.2477
.401	210.9	11.97	.5478	.0337	.5288	.1466	3.61	.0078	.0005	-.0011	.0015	.2621
.402	211.1	12.98	.5986	.0349	.5755	.1685	3.42	.0087	.0006	-.0012	.0016	.2759
.402	211.1	13.97	.6499	.0361	.6219	.1920	3.24	.0096	.0008	-.0013	.0017	.2891
.401	210.4	15.00	.7036	.0372	.6700	.2180	3.07	.0107	.0010	-.0015	.0019	.3021
.402	211.4	17.27	.8238	.0395	.7749	.2823	2.75	.0134	.0010	-.0016	.0022	.3292
.402	211.1	19.47	.9459	.0414	.8780	.3543	2.48	.0163	.0009	-.0016	.0026	.3550
.402	211.7	21.63	1.0679	.0430	.9769	.4336	2.25	.0194	.0006	-.0014	.0030	.3791
.402	211.2	23.80	1.1956	.0447	1.0759	.5234	2.06	.0224	.0004	-.0009	.0035	.4055
.402	211.0	.16	.0569	.0156	.0568	.0158	3.61	.0019	.0005	-.0008	.0000	.0849

LEV F DEFLECTION = -30. DEG.

TEF DEFLECTION = 10. DEG.

MACH	Q	ALPHA	CN	CA	CL	CD	L/D	CMS	CRMS	CYMS	CYS	CHM
.401	210.1	.20	.1275	.0188	.1274	.0193	6.61	-.0269	.0003	-.0010	.0003	.1002
.401	209.9	2.33	.2079	.0231	.2068	.0316	6.55	-.0283	.0004	-.0010	.0006	.1387
.401	210.1	4.30	.2879	.0266	.2851	.0482	5.92	-.0295	.0005	-.0009	.0008	.1712
.401	210.2	6.44	.3785	.0301	.3727	.0724	5.15	-.0295	.0005	-.0010	.0011	.2050
.401	210.0	8.57	.4721	.0334	.4619	.1034	4.47	-.0286	.0004	-.0012	.0014	.2335
.401	210.1	8.97	.4906	.0339	.4793	.1100	4.36	-.0284	.0003	-.0012	.0014	.2391
.401	210.1	9.98	.5385	.0353	.5242	.1281	4.09	-.0279	.0002	-.0012	.0016	.2525
.401	210.8	11.09	.5928	.0368	.5746	.1502	3.83	-.0275	.0002	-.0012	.0017	.2673
.401	210.5	12.02	.6393	.0379	.6173	.1703	3.63	-.0271	.0002	-.0012	.0019	.2800
.401	210.2	12.98	.6895	.0392	.6631	.1931	3.43	-.0267	.0002	-.0013	.0020	.2940
.402	210.9	13.98	.7420	.0404	.7103	.2185	3.25	-.0261	.0004	-.0014	.0022	.3068
.402	210.9	14.97	.7934	.0416	.7557	.2451	3.08	-.0250	.0005	-.0015	.0023	.3192
.402	211.0	17.34	.9205	.0442	.8654	.3165	2.73	-.0217	.0006	-.0017	.0026	.3476
.402	211.7	19.55	1.0420	.0465	.9664	.3924	2.46	-.0193	.0003	-.0017	.0030	.3725
.402	211.4	21.70	1.1677	.0485	1.0670	.4767	2.24	-.0170	.0003	-.0016	.0034	.3975
.402	211.5	23.77	1.2924	.0504	1.1625	.5671	2.05	-.0152	.0001	-.0010	.0039	.4222
.401	210.2	.20	.1270	.0188	.1270	.0193	6.59	-.0268	.0002	-.0011	.0003	.1011

LEV F DEFLECTION = -30. DEG.

TEF DEFLECTION = 20. DEG.

MACH	Q	ALPHA	CN	CA	CL	CD	L/D	CMS	CRMS	CYMS	CYS	CHM
.401	210.5	.23	.1538	.0256	.1537	.0262	5.86	-.0385	.0005	-.0010	.0004	.1034
.401	210.5	2.33	.2336	.0302	.2321	.0397	5.85	-.0402	.0007	-.0010	.0007	.1379
.401	210.6	4.32	.3139	.0340	.3104	.0576	5.39	-.0410	.0007	-.0010	.0009	.1696
.401	210.5	6.43	.4063	.0382	.3995	.0835	4.79	-.0422	.0005	-.0010	.0012	.2016
.401	210.9	8.59	.5051	.0421	.4932	.1171	4.21	-.0426	.0005	-.0012	.0015	.2305
.401	210.6	8.97	.5231	.0427	.5101	.1238	4.12	-.0424	.0004	-.0012	.0016	.2356
.401	210.5	10.00	.5717	.0445	.5553	.1431	3.88	-.0421	.0003	-.0013	.0017	.2486
.401	210.6	11.06	.6237	.0462	.6032	.1651	3.65	-.0417	.0003	-.0013	.0019	.2626
.401	210.8	12.00	.6698	.0477	.6452	.1859	3.47	-.0412	.0004	-.0014	.0020	.2745
.402	211.0	13.01	.7217	.0493	.6921	.2105	3.29	-.0407	.0004	-.0015	.0021	.2885
.401	210.9	14.01	.7749	.0509	.7396	.2370	3.12	-.0401	.0005	-.0016	.0023	.3018
.401	210.6	15.00	.8278	.0524	.7860	.2648	2.97	-.0394	.0007	-.0018	.0024	.3140
.402	211.3	17.36	.9563	.0557	.8960	.3386	2.65	-.0376	.0008	-.0021	.0027	.3414
.402	211.3	19.57	1.0806	.0584	.9986	.4169	2.40	-.0356	.0004	-.0021	.0031	.3673
.402	211.8	21.73	1.2052	.0608	1.0970	.5026	2.18	-.0330	.0004	-.0020	.0035	.3917
.402	211.8	24.16	1.3516	.0636	1.2071	.6113	1.97	-.0304	.0000	-.0013	.0041	.4207
.401	210.1	.24	.1523	.0260	.1522	.0267	5.71	-.0383	.0005	-.0011	.0004	.0990

Table V. Pressure Data

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= .006 DEG.

STATION 1			STATION 2			STATION 3			STATION 4			STATION 5		
	Y IN.	CP	Y IN.	CP		Y IN.	CP		Y IN.	CP		Y IN.	CP	
L	4.13	-.019	6.32	-.042		8.34	-.039		10.23	-.033		12.04	-.052	
	3.99	-.018	6.09	-.024		8.05	-.020		9.90	-.020		11.68	-.048	
E	3.85	-.030	5.86	-.025		7.76	-.016		9.57	-.029		11.32	-.052	
	3.71	-.029	5.63	-.028		7.46	-.021		9.23	-.028		10.96	-.046	
V	3.57	-.031	5.40	-.030		7.17	-.046		8.90	-.031		10.60	-.058	
	3.43	-.034	5.17	*****		6.88	-.023		8.57	-.019		10.24	-.054	
F	3.29	-.029	4.94	*****		6.59	-.014		8.23	-.022		9.88	-.061	
	3.10	-.040	4.70	*****		6.30	-.013		7.99	-.017		9.58	-.048	
	2.90	-.026	4.50	*****		6.10	-.020		7.79	-.026		9.38	-.061	
W	2.70	-.029	4.30	*****		5.90	-.022		7.59	-.026		9.18	-.066	
	2.50	-.062	4.10	-.045		5.70	-.028		7.39	-.029		8.98	-.071	
	2.30	-.063	3.90	-.047		5.50	-.028		7.19	-.033		8.78	-.080	
I	2.10	-.037	3.70	*****		5.30	-.029		6.99	-.038		8.58	-.084	
			3.50	-.056		5.10	-.030		6.78	-.041		8.38	-.089	
			3.30	-.064		4.90	-.029		6.58	-.049		8.18	-.098	
N			3.10	-.116		4.70	-.019		6.38	-.041		7.98	-.095	
			2.90	-.094		4.50	-.015		6.18	-.041		7.78	-.095	
G						4.30	-.030		5.98	-.034		7.58	-.099	
						4.10	-.030		5.78	-.030		7.38	-.099	
						3.90	-.030		5.58	-.030		7.18	-.100	
						3.70	-.020		5.38	-.020		6.98	-.103	

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.240
46.09	-.141	46.09	-.160
46.34	-.082	46.34	-.106
46.59	-.034	46.59	-.064
46.84	-.008	46.84	-.024
47.09	*****	47.09	*****
47.34	.098	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 2.077 DEG.

STATION 1			STATION 2			STATION 3			STATION 4			STATION 5		
	Y IN.	CP	Y IN.	CP		Y IN.	CP		Y IN.	CP		Y IN.	CP	
L	4.13	-.216	6.32	-.221		8.34	-.187		10.23	-.164		12.04	-.160	
	3.99	-.215	6.09	-.243		8.05	-.184		9.90	-.164		11.68	-.166	
E	3.85	-.162	5.86	-.196		7.76	-.191		9.57	-.170		11.32	-.175	
	3.71	-.049	5.63	-.111		7.46	-.171		9.23	-.164		10.96	-.172	
V	3.57	-.053	5.40	-.056		7.17	-.081		8.90	-.131		10.60	-.137	
	3.43	-.070	5.17	*****		6.88	-.029		8.57	-.059		10.24	-.098	
F	3.29	-.067	4.94	*****		6.59	-.025		8.23	-.034		9.88	-.102	
	3.10	-.079	4.70	*****		6.30	-.030		7.99	-.031		9.58	-.066	
	2.90	-.063	4.50	*****		6.10	-.040		7.79	-.032		9.38	-.070	
W	2.70	-.061	4.30	*****		5.90	-.044		7.59	-.037		9.18	-.068	
	2.50	-.088	4.10	-.075		5.70	-.049		7.39	-.042		8.98	-.074	
	2.30	-.102	3.90	-.079		5.50	-.055		7.19	-.045		8.78	-.084	
I	2.10	-.073	3.70	*****		5.30	-.056		6.99	-.054		8.58	-.087	
			3.50	-.090		5.10	-.056		6.78	-.059		8.38	-.096	
			3.30	-.095		4.90	-.059		6.58	-.071		8.18	-.106	
N			3.10	-.148		4.70	-.042		6.38	-.064		7.98	-.105	
			2.90	-.122		4.50	-.035		6.18	-.054		7.78	-.105	
G						4.30	-.049		5.98	-.049		7.58	-.108	
						4.10	-.047		5.78	-.047		7.38	-.111	
						3.90	-.037		5.58	-.037		7.18	-.112	
						3.70	-.037		5.38	-.037		6.98	-.113	

TRAILING-EDGE FLAP

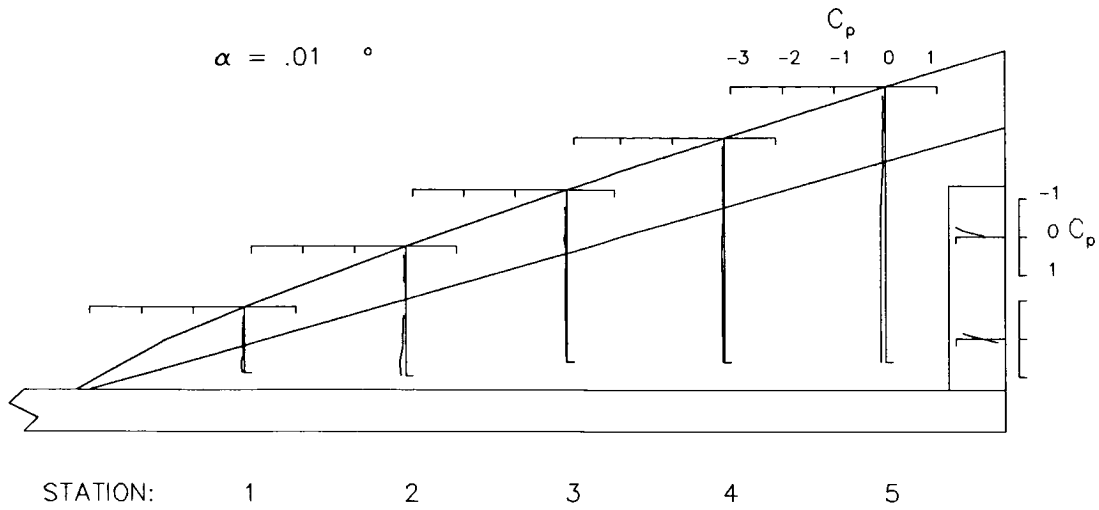
INBOARD

OUTBOARD

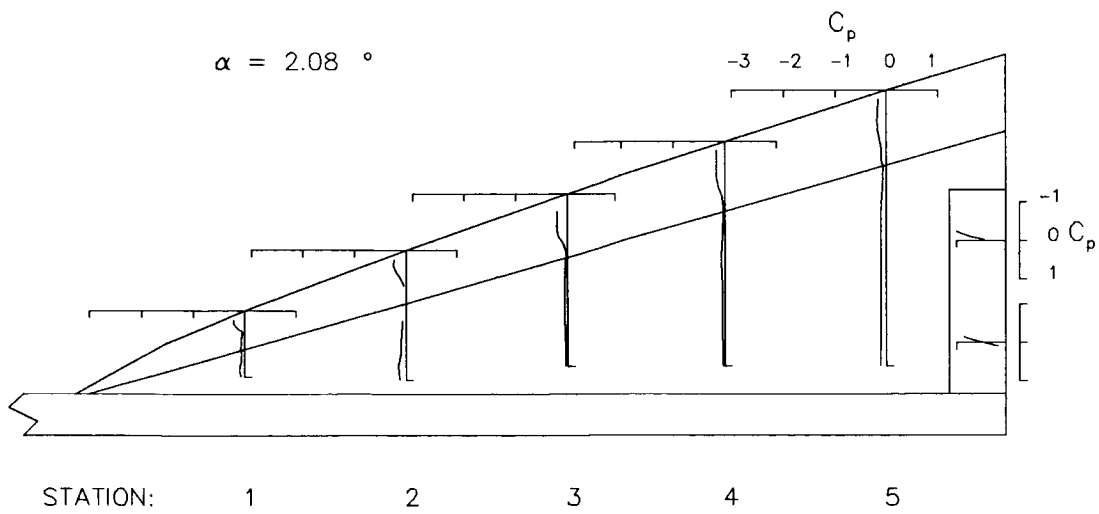
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.242
46.09	-.148	46.09	-.162
46.34	-.088	46.34	-.106
46.59	-.039	46.59	-.063
46.84	.010	46.84	-.023
47.09	*****	47.09	*****
47.34	.102	47.34	*****

Table V. Continued

$$\delta_{\text{LEVf}} = 0.0^\circ \quad \delta_{\text{TEf}} = 0.0^\circ$$



$$\delta_{\text{LEVf}} = 0.0^\circ \quad \delta_{\text{TEf}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 4.043 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.385	6.32	-.334	8.34	-.275	10.23	-.227	12.04	-.207
	3.99	-.448	6.09	-.349	8.05	-.292	9.90	-.254	11.68	-.227
E	3.85	-.570	5.86	-.462	7.76	-.314	9.57	-.269	11.32	-.245
	3.71	-.423	5.63	-.487	7.46	-.437	9.23	-.327	10.96	-.252
V	3.57	-.127	5.40	-.374	7.17	-.260	8.90	-.410	10.60	-.337
	3.43	-.052	5.17	*****	6.88	-.294	8.57	-.353	10.24	-.357
F	3.29	-.064	4.94	*****	6.59	-.087	8.23	-.214	9.88	-.330
	3.10	-.101	4.70	*****	6.30	-.021	7.99	-.115	9.58	-.217
	2.90	-.088	4.50	*****	6.10	-.025	7.79	-.055	9.38	-.169
W	2.70	-.096	4.30	*****	5.90	-.037	7.59	-.025	9.18	-.113
	2.50	-.116	4.10	-.097	5.70	-.050	7.39	-.023	8.98	-.068
	2.30	-.138	3.90	-.101	5.50	-.059	7.19	-.031	8.78	-.058
I	2.10	-.111	3.70	*****	5.30	-.068	6.99	-.046	8.58	-.053
			3.50	-.115	5.10	-.070	6.78	-.056	8.38	-.066
			3.00	-.126	4.50	-.078	6.38	-.074	7.98	-.086
N			2.50	-.176	3.50	-.065	5.98	-.075	7.38	-.099
			2.00	-.151	2.50	-.059	5.50	-.066	6.50	-.107
							4.50	-.063	5.50	-.114
G							3.50	-.061	4.50	-.116
							2.50	-.052	3.50	-.119
									2.50	-.120

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.239
46.09	-.158	46.09	-.157
46.34	-.094	46.34	-.105
46.59	-.042	46.59	-.062
46.84	-.005	46.84	-.019
47.09	*****	47.09	*****
47.34	.106	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 6.131 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.556	6.32	-.481	8.34	-.387	10.23	-.316	12.04	-.271
	3.99	-.596	6.09	-.485	8.05	-.407	9.90	-.347	11.68	-.294
E	3.85	-.857	5.86	-.527	7.76	-.409	9.57	-.363	11.32	-.317
	3.71	-.880	5.63	-.786	7.46	-.495	9.23	-.373	10.96	-.316
V	3.57	-.530	5.40	-.767	7.17	-.435	8.90	-.516	10.60	-.340
	3.43	-.224	5.17	*****	6.88	-.660	8.57	-.619	10.24	-.474
F	3.29	-.112	4.94	*****	6.59	-.406	8.23	-.558	9.88	-.571
	3.10	-.119	4.70	*****	6.30	-.188	7.99	-.390	9.58	-.502
	2.90	-.120	4.50	*****	6.10	-.104	7.79	-.299	9.38	-.448
W	2.70	-.134	4.30	*****	5.90	-.069	7.59	-.204	9.18	-.363
	2.50	-.158	4.10	-.115	5.70	-.062	7.39	-.119	8.98	-.279
	2.30	-.182	3.90	-.120	5.50	-.064	7.19	-.073	8.78	-.199
I	2.10	-.156	3.70	*****	5.30	-.073	6.99	-.062	8.58	-.132
			3.50	-.143	5.10	-.079	6.78	-.056	8.38	-.094
N			3.00	-.158	4.50	-.095	6.38	-.063	7.98	-.067
			2.50	-.214	3.50	-.087	5.98	-.073	7.38	-.088
			2.00	-.185	2.50	-.083	5.50	-.075	6.50	-.106
G							4.50	-.078	5.50	-.118
							3.50	-.079	4.50	-.121
							2.50	-.069	3.50	-.126
									2.50	-.131

TRAILING-EDGE FLAP

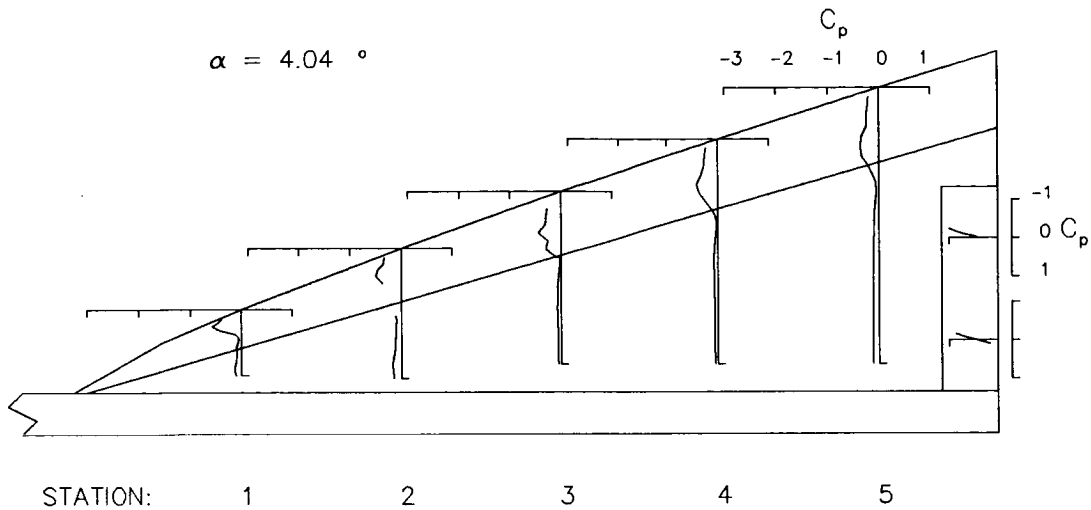
INBOARD

OUTBOARD

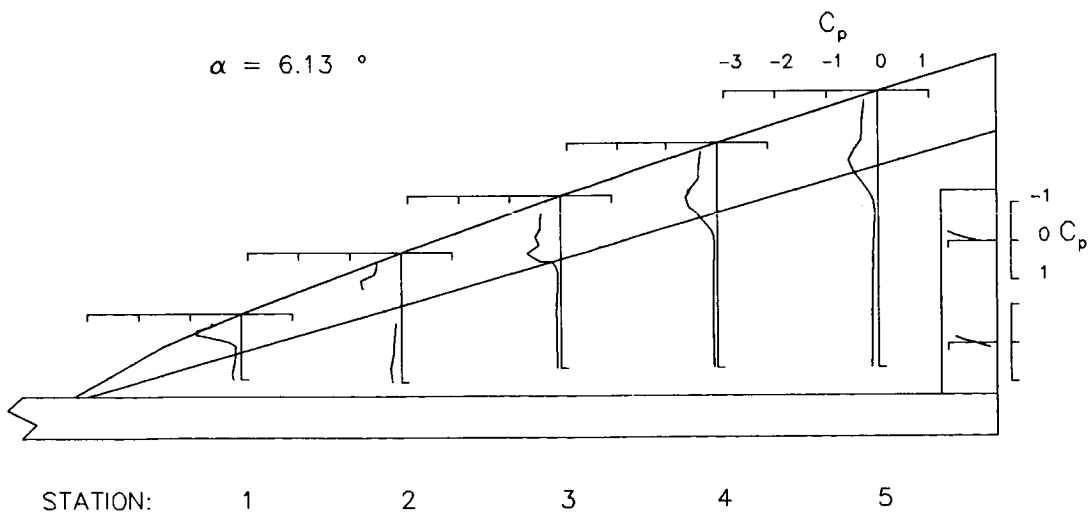
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.242
46.09	-.162	46.09	-.164
46.34	-.100	46.34	-.107
46.59	-.048	46.59	-.061
46.84	.003	46.84	-.018
47.09	*****	47.09	*****
47.34	.110	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 0.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = 0.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 8.292 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.750	6.32	-.623	8.34	-.505	10.23	-.411	12.04	-.328
	3.99	-.786	6.09	-.634	8.05	-.536	9.90	-.449	11.68	-.362
E	3.85	-1.004	5.86	-.645	7.76	-.531	9.57	-.458	11.32	-.386
	3.71	-1.260	5.63	-.819	7.46	-.556	9.23	-.460	10.96	-.376
V	3.57	-1.042	5.40	-1.070	7.17	-.532	8.90	-.513	10.60	-.394
	3.43	-.648	5.17	*****	6.88	-.930	8.57	-.720	10.24	-.443
F	3.29	-.345	4.94	*****	6.59	-.797	8.23	-.824	9.88	-.627
	3.10	-.210	4.70	*****	6.30	-.551	7.99	-.692	9.58	-.673
	2.90	-.174	4.50	*****	6.10	-.389	7.79	-.615	9.38	-.692
W	2.70	-.179	4.30	*****	5.90	-.241	7.59	-.522	9.18	-.657
	2.50	-.211	4.10	-.157	5.70	-.175	7.39	-.383	8.98	-.560
	2.30	-.236	3.90	-.154	5.50	-.126	7.19	-.261	8.78	-.455
I	2.10	-.206	3.70	*****	5.30	-.108	6.99	-.188	8.58	-.351
			3.50	-.171	5.10	-.100	6.78	-.144	8.38	-.277
N			3.00	-.192	4.50	-.112	6.38	-.092	7.98	-.151
			2.50	-.256	3.50	-.113	5.98	-.085	7.38	-.099
			2.00	-.226	2.50	-.111	5.50	-.085	6.50	-.107
							4.50	-.094	5.50	-.120
G							3.50	-.097	4.50	-.129
							2.50	-.089	3.50	-.135
									2.50	-.142

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.246
46.09	-.169	46.09	-.166
46.34	-.108	46.34	-.108
46.59	-.053	46.59	-.065
46.84	-.003	46.84	-.020
47.09	*****	47.09	*****
47.34	.107	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 9.945 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.893	6.32	-.742	8.34	-.592	10.23	-.484	12.04	-.364
	3.99	-.931	6.09	-.748	8.05	-.632	9.90	-.524	11.68	-.402
E	3.85	-1.046	5.86	-.762	7.76	-.612	9.57	-.532	11.32	-.430
	3.71	-1.435	5.63	-.800	7.46	-.628	9.23	-.532	10.96	-.415
V	3.57	-1.426	5.40	-1.153	7.17	-.568	8.90	-.550	10.60	-.424
	3.43	-1.062	5.17	*****	6.88	-1.013	8.57	-.691	10.24	-.442
F	3.29	-.657	4.94	*****	6.59	-1.046	8.23	-.910	9.88	-.603
	3.10	-.364	4.70	*****	6.30	-.827	7.99	-.846	9.58	-.708
	2.90	-.256	4.50	*****	6.10	-.671	7.79	-.852	9.38	-.785
W	2.70	-.231	4.30	*****	5.90	-.480	7.59	-.761	9.18	-.799
	2.50	-.260	4.10	-.234	5.70	-.357	7.39	-.625	8.98	-.755
	2.30	-.286	3.90	-.199	5.50	-.263	7.19	-.505	8.78	-.687
I	2.10	-.251	3.70	*****	5.30	-.191	6.99	-.379	8.58	-.584
			3.50	-.202	5.10	-.153	6.78	-.294	8.38	-.494
N			3.00	-.220	4.50	-.133	6.38	-.159	7.98	-.291
			2.50	-.291	3.50	-.134	5.98	-.121	7.38	-.157
			2.00	-.259	2.50	-.135	5.50	-.107	6.50	-.120
							4.50	-.108	5.50	-.125
G							3.50	-.114	4.50	-.137
							2.50	-.106	3.50	-.143
									2.50	-.147

TRAILING-EDGE FLAP

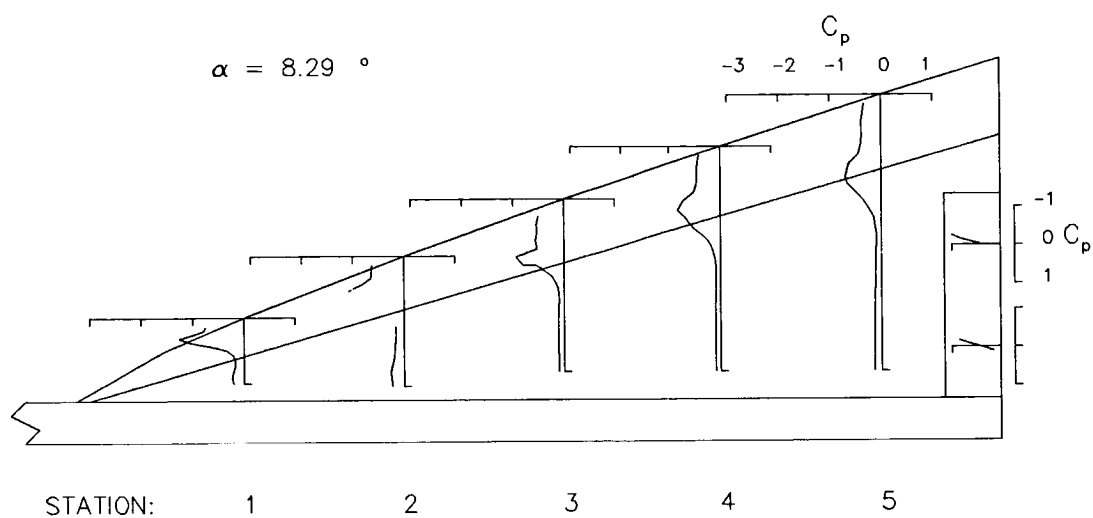
INBOARD

OUTBOARD

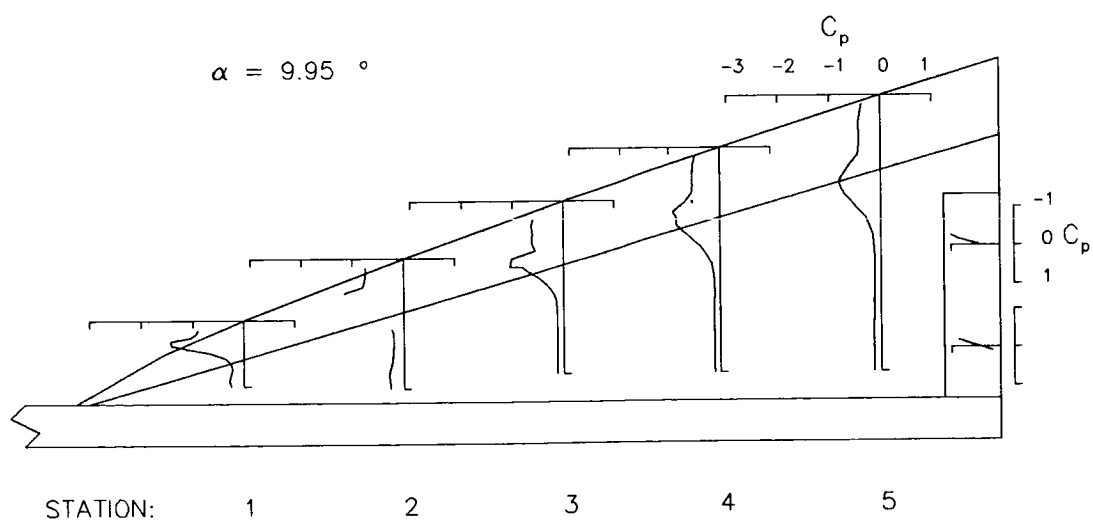
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.250
46.09	-.184	46.09	-.170
46.34	-.122	46.34	-.113
46.59	-.066	46.59	-.067
46.84	-.013	46.84	-.023
47.09	*****	47.09	*****
47.34	.103	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 0.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = 0.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 11.015 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.990	6.32	-.809	8.34	-.653	10.23	-.523	12.04	-.385
	3.99	-1.011	6.09	-.831	8.05	-.697	9.90	-.571	11.68	-.425
E	3.85	-1.098	5.86	-.840	7.76	-.672	9.57	-.572	11.32	-.452
	3.71	-1.515	5.63	-.845	7.46	-.684	9.23	-.569	10.96	-.435
V	3.57	-1.617	5.40	-1.181	7.17	-.597	8.90	-.586	10.60	-.443
	3.43	-1.290	5.17	*****	6.88	-1.031	8.57	-.704	10.24	-.454
F	3.29	-.864	4.94	*****	6.59	-1.144	8.23	-.941	9.88	-.572
	3.10	-.506	4.70	*****	6.30	-.992	7.99	-.913	9.58	-.704
	2.90	-.333	4.50	*****	6.10	-.860	7.79	-.954	9.38	-.814
W	2.70	-.274	4.30	*****	5.90	-.647	7.59	-.893	9.18	-.856
	2.50	-.296	4.10	-.308	5.70	-.508	7.39	-.789	8.98	-.851
	2.30	-.318	3.90	-.253	5.50	-.370	7.19	-.661	8.78	-.794
I	2.10	-.286	3.70	*****	5.30	-.283	6.99	-.529	8.58	-.700
			3.50	-.229	5.10	-.213	6.78	-.408	8.38	-.620
			3.00	-.241	4.50	-.153	6.38	-.240	7.98	-.407
N			2.50	-.310	3.50	-.149	5.98	-.161	7.38	-.210
			2.00	-.283	2.50	-.153	5.50	-.130	6.50	-.138
G							4.50	-.121	5.50	-.135
							3.50	-.124	4.50	-.142
							2.50	-.117	3.50	-.150
									2.50	-.151

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.252
46.09	-.202	46.09	-.172
46.34	-.138	46.34	-.117
46.59	-.080	46.59	-.070
46.84	-.025	46.84	-.024
47.09	*****	47.09	*****
47.34	.096	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 12.000 DEG.

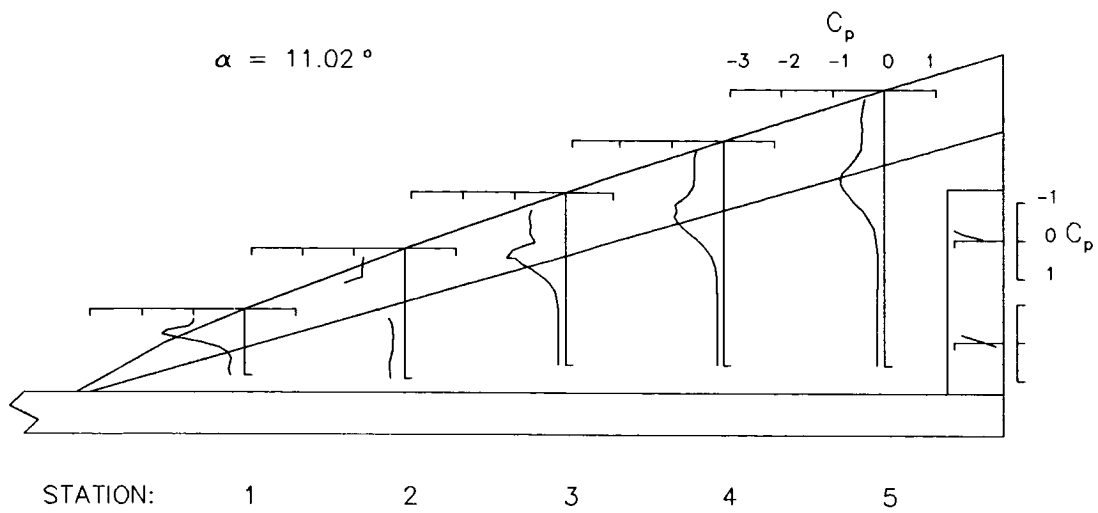
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.079	6.32	-.878	8.34	-.706	10.23	-.561	12.04	-.403
	3.99	-1.083	6.09	-.895	8.05	-.752	9.90	-.611	11.68	-.449
E	3.85	-1.165	5.86	-.909	7.76	-.727	9.57	-.605	11.32	-.469
	3.71	-1.562	5.63	-.897	7.46	-.728	9.23	-.601	10.96	-.449
V	3.57	-1.777	5.40	-1.201	7.17	-.642	8.90	-.621	10.60	-.457
	3.43	-1.535	5.17	*****	6.88	-1.056	8.57	-.707	10.24	-.473
F	3.29	-1.104	4.94	*****	6.59	-1.220	8.23	-.973	9.88	-.572
	3.10	-.638	4.70	*****	6.30	-1.100	7.99	-.950	9.58	-.698
	2.90	-.421	4.50	*****	6.10	-1.011	7.79	-1.030	9.38	-.827
W	2.70	-.336	4.30	*****	5.90	-.825	7.59	-1.005	9.18	-.890
	2.50	-.331	4.10	-.402	5.70	-.652	7.39	-.903	8.98	-.904
	2.30	-.356	3.90	-.320	5.50	-.501	7.19	-.793	8.78	-.888
I	2.10	-.320	3.70	*****	5.30	-.380	6.99	-.656	8.58	-.815
			3.50	-.259	5.10	-.290	6.78	-.534	8.38	-.734
			3.00	-.265	4.50	-.181	6.38	-.333	7.98	-.500
N			2.50	-.333	3.50	-.169	5.98	-.216	7.38	-.269
			2.00	-.309	2.50	-.170	5.50	-.155	6.50	-.169
G							4.50	-.137	5.50	-.145
							3.50	-.140	4.50	-.150
							2.50	-.125	3.50	-.156
									2.50	-.159

TRAILING-EDGE FLAP

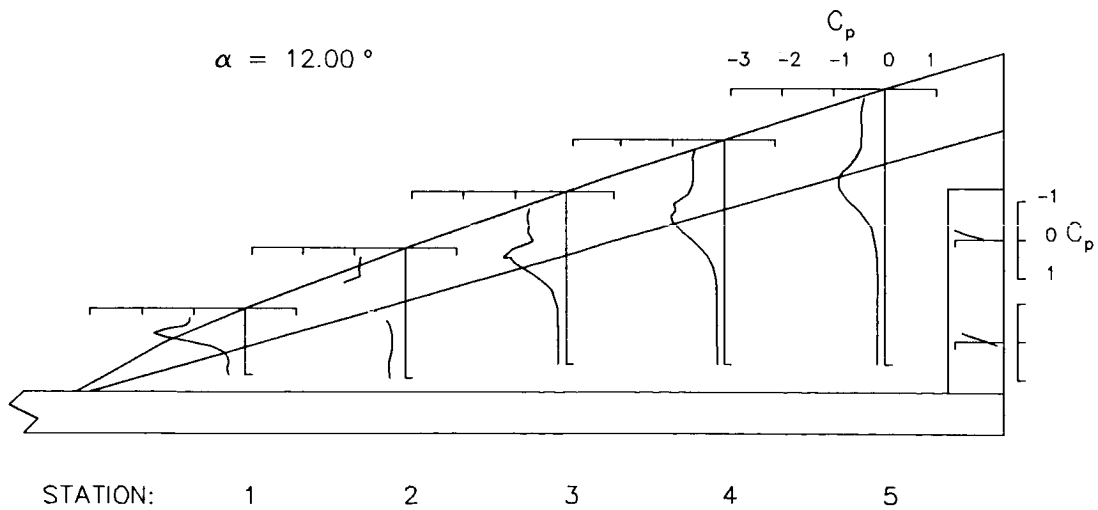
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.253
46.09	-.222	46.09	-.175
46.34	-.155	46.34	-.117
46.59	-.099	46.59	-.069
46.84	-.038	46.84	-.025
47.09	*****	47.09	*****
47.34	.086	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 0.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = 0.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEVF DEFLECTION= 0 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 12.966 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.163	6.32	-.953	8.34	-.764	10.23	-.598	12.04	-.419
	3.99	-1.154	6.09	-.966	8.05	-.797	9.90	-.649	11.68	-.464
E	3.85	-1.238	5.86	-.967	7.76	-.779	9.57	-.637	11.32	-.478
	3.71	-1.631	5.63	-.958	7.46	-.784	9.23	-.633	10.96	-.461
V	3.57	-1.919	5.40	-1.227	7.17	-.688	8.90	-.658	10.60	-.468
	3.43	-1.730	5.17	*****	6.88	-1.083	8.57	-.724	10.24	-.487
F	3.29	-1.345	4.94	*****	6.59	-1.286	8.23	-.989	9.88	-.569
	3.10	-.817	4.70	*****	6.30	-1.222	7.99	-.984	9.58	-.704
	2.90	-.527	4.50	*****	6.10	-1.150	7.79	-1.091	9.38	-.824
W	2.70	-.405	4.30	*****	5.90	-.983	7.59	-1.089	9.18	-.914
	2.50	-.370	4.10	-.504	5.70	-.811	7.39	-1.024	8.98	-.950
	2.30	-.395	3.90	-.391	5.50	-.630	7.19	-.923	8.78	-.960
I	2.10	-.362	3.70	*****	5.30	-.490	6.99	-.787	8.58	-.903
			3.50	-.302	5.10	-.369	6.78	-.651	8.38	-.847
			3.00	-.289	4.50	-.216	6.38	-.429	7.98	-.618
N			2.50	-.339	3.50	-.187	5.98	-.270	7.38	-.338
			2.00	-.340	2.50	-.187	5.50	-.192	6.50	-.200
							4.50	-.152	5.50	-.160
G							3.50	-.150	4.50	-.158
							2.50	-.139	3.50	-.164
									2.50	-.164

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.258
46.09	-.251	46.09	-.180
46.34	-.177	46.34	-.118
46.59	-.115	46.59	-.071
46.84	-.057	46.84	-.024
47.09	*****	47.09	*****
47.34	.077	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEVF DEFLECTION= 0 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 14.015 DEG.

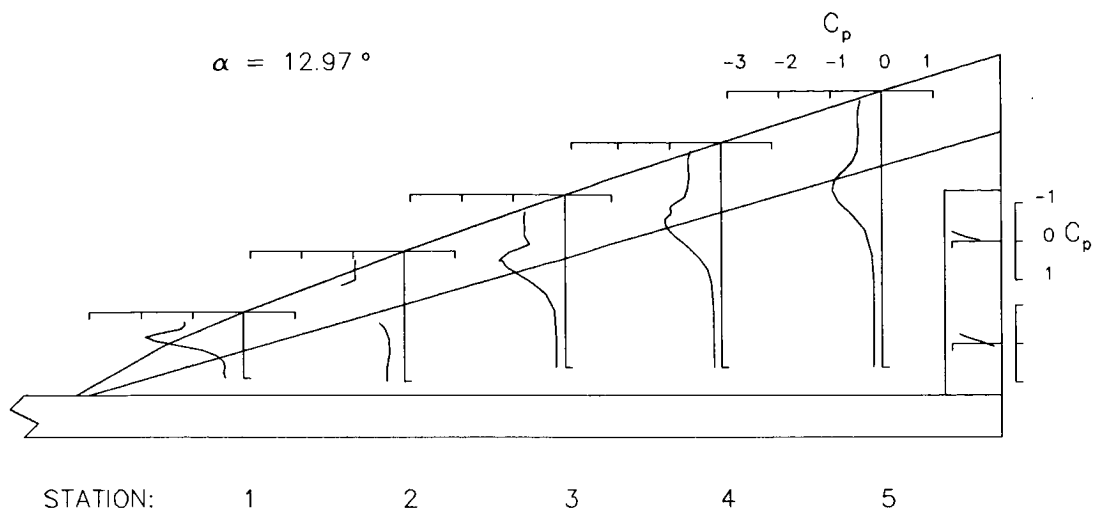
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.246	6.32	-1.042	8.34	-.816	10.23	-.638	12.04	-.434
	3.99	-1.254	6.09	-1.030	8.05	-.851	9.90	-.684	11.68	-.486
E	3.85	-1.319	5.86	-1.037	7.76	-.825	9.57	-.665	11.32	-.487
	3.71	-1.700	5.63	-1.036	7.46	-.835	9.23	-.671	10.96	-.473
V	3.57	-2.023	5.40	-1.282	7.17	-.730	8.90	-.696	10.60	-.484
	3.43	-1.944	5.17	*****	6.88	-1.147	8.57	-.761	10.24	-.502
F	3.29	-1.546	4.94	*****	6.59	-1.339	8.23	-1.029	9.88	-.577
	3.10	-1.017	4.70	*****	6.30	-1.330	7.99	-1.022	9.58	-.709
	2.90	-.660	4.50	*****	6.10	-1.286	7.79	-1.159	9.38	-.838
W	2.70	-.484	4.30	*****	5.90	-1.132	7.59	-1.184	9.18	-.934
	2.50	-.413	4.10	-.644	5.70	-.980	7.39	-1.136	8.98	-.991
	2.30	-.443	3.90	-.498	5.50	-.779	7.19	-1.052	8.78	-1.016
I	2.10	-.404	3.70	*****	5.30	-.615	6.99	-.931	8.58	-.984
			3.50	-.358	5.10	-.485	6.78	-.796	8.38	-.934
			3.00	-.322	4.50	-.266	6.38	-.551	7.98	-.738
N			2.50	-.374	3.50	-.209	5.98	-.339	7.38	-.421
			2.00	-.365	2.50	-.200	5.50	-.238	6.50	-.234
							4.50	-.173	5.50	-.177
G							3.50	-.165	4.50	-.171
							2.50	-.151	3.50	-.170
									2.50	-.172

TRAILING-EDGE FLAP

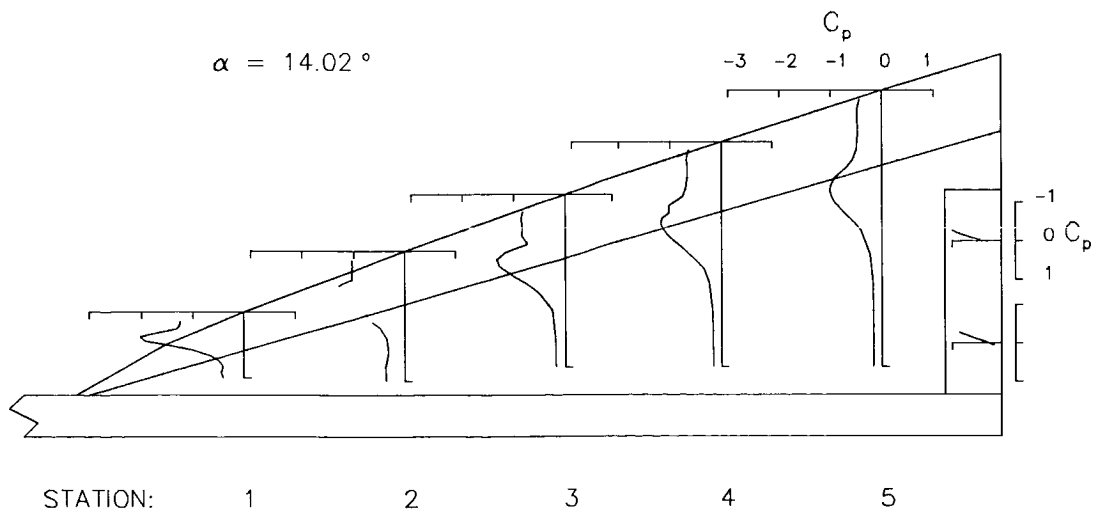
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.273
46.09	-.275	46.09	-.190
46.34	-.203	46.34	-.128
46.59	-.139	46.59	-.072
46.84	-.075	46.84	-.025
47.09	*****	47.09	*****
47.34	.059	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 0.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = 0.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 15.030 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.330	6.32	-1.119	8.34	-.875	10.23	-.677	12.04	-.449
	3.99	-1.349	6.09	-1.100	8.05	-.900	9.90	-.723	11.68	-.499
E	3.85	-1.416	5.86	-1.108	7.76	-.877	9.57	-.699	11.32	-.495
	3.71	-1.787	5.63	-1.108	7.46	-.886	9.23	-.705	10.96	-.482
V	3.57	-2.134	5.40	-1.346	7.17	-.781	8.90	-.736	10.60	-.498
	3.43	-2.126	5.17	*****	6.88	-1.185	8.57	-.803	10.24	-.518
F	3.29	-1.784	4.94	*****	6.59	-1.403	8.23	-1.065	9.88	-.596
	3.10	-1.217	4.70	*****	6.30	-1.412	7.99	-1.064	9.58	-.724
	2.90	-.828	4.50	*****	6.10	-1.423	7.79	-1.222	9.38	-.854
W	2.70	-.604	4.30	*****	5.90	-1.295	7.59	-1.271	9.18	-.962
	2.50	-.465	4.10	-.797	5.70	-1.117	7.39	-1.242	8.98	-1.026
	2.30	-.495	3.90	-.612	5.50	-.930	7.19	-1.164	8.78	-1.074
I	2.10	-.455	3.70	*****	5.30	-.762	6.99	-1.061	8.58	-1.060
			3.50	-.415	5.10	-.599	6.78	-.948	8.38	-1.027
			3.00	-.358	4.50	-.323	6.38	-.687	7.98	-.842
N			2.50	-.412	3.50	-.243	5.98	-.439	7.38	-.510
			2.00	-.394	2.50	-.227	5.50	-.288	6.50	-.293
							4.50	-.199	5.50	-.198
G							3.50	-.182	4.50	-.182
							2.50	-.168	3.50	-.178
									2.50	-.180

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.286
46.09	-.309	46.09	-.200
46.34	-.235	46.34	-.133
46.59	-.168	46.59	-.081
46.84	-.100	46.84	-.032
47.09	*****	47.09	*****
47.34	.042	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 15.994 DEG.

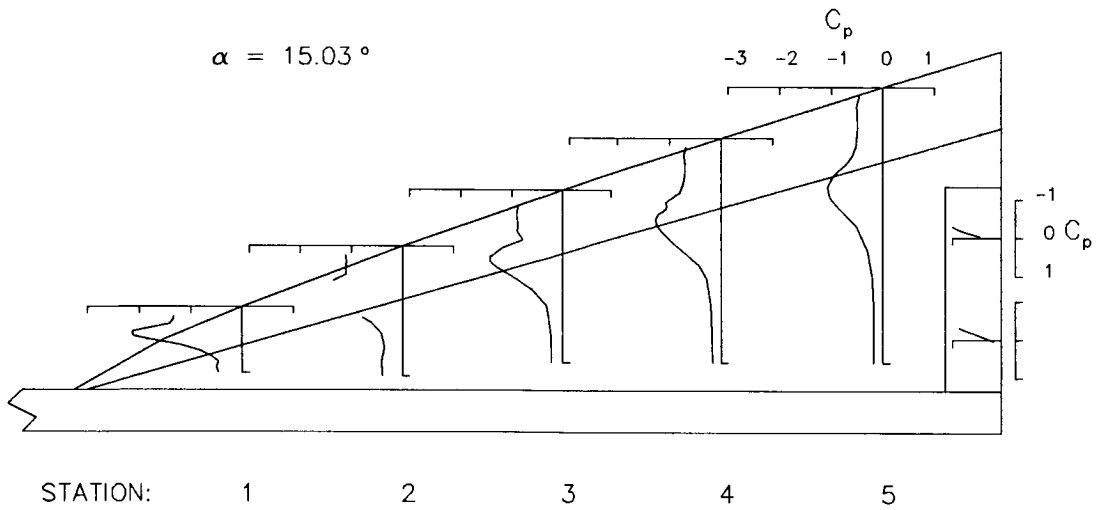
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.424	6.32	-1.198	8.34	-.930	10.23	-.714	12.04	-.466
	3.99	-1.433	6.09	-1.153	8.05	-.932	9.90	-.757	11.68	-.511
E	3.85	-1.517	5.86	-1.176	7.76	-.920	9.57	-.733	11.32	-.507
	3.71	-1.898	5.63	-1.167	7.46	-.934	9.23	-.740	10.96	-.499
V	3.57	-2.258	5.40	-1.398	7.17	-.827	8.90	-.764	10.60	-.506
	3.43	-2.313	5.17	*****	6.88	-1.243	8.57	-.843	10.24	-.526
F	3.29	-1.999	4.94	*****	6.59	-1.469	8.23	-1.091	9.88	-.597
	3.10	-1.401	4.70	*****	6.30	-1.490	7.99	-1.099	9.58	-.735
	2.90	-.968	4.50	*****	6.10	-1.528	7.79	-1.264	9.38	-.855
W	2.70	-.705	4.30	*****	5.90	-1.430	7.59	-1.334	9.18	-.971
	2.50	-.527	4.10	-.925	5.70	-1.266	7.39	-1.327	8.98	-1.048
	2.30	-.557	3.90	-.713	5.50	-1.076	7.19	-1.272	8.78	-1.107
I	2.10	-.503	3.70	*****	5.30	-.902	6.99	-1.179	8.58	-1.116
			3.50	-.493	5.10	-.707	6.78	-1.058	8.38	-1.113
			3.00	-.398	4.50	-.388	6.38	-.791	7.98	-.941
N			2.50	-.448	3.50	-.270	5.98	-.510	7.38	-.589
			2.00	-.421	2.50	-.248	5.50	-.350	6.50	-.341
							4.50	-.226	5.50	-.224
G							3.50	-.200	4.50	-.199
							2.50	-.179	3.50	-.192
									2.50	-.186

TRAILING-EDGE FLAP

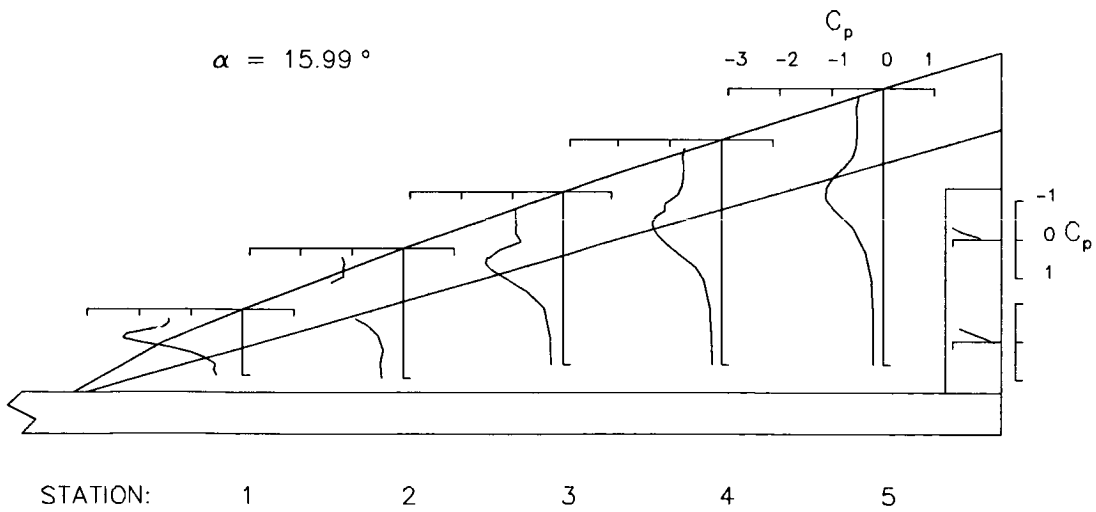
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.304
46.09	-.339	46.09	-.208
46.34	-.262	46.34	-.143
46.59	-.193	46.59	-.086
46.84	-.121	46.84	-.033
47.09	*****	47.09	*****
47.34	.027	47.34	*****

Table V. Continued

$$\delta_{LEVF} = 0.0^\circ \quad \delta_{TEF} = 0.0^\circ$$



$$\delta_{LEVF} = 0.0^\circ \quad \delta_{TEF} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 19.383 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.760	6.32	-1.456	8.34	-1.120	10.23	-1.827	12.04	-1.516
	3.99	-1.772	6.09	-1.392	8.05	-1.106	9.90	-1.840	11.68	-1.542
E	3.85	-1.860	5.86	-1.417	7.76	-1.084	9.57	-1.840	11.32	-1.540
	3.71	-2.200	5.63	-1.431	7.46	-1.100	9.23	-1.855	10.96	-1.554
V	3.57	-2.582	5.40	-1.627	7.17	-1.977	8.90	-1.882	10.60	-1.574
	3.43	-2.734	5.17	*****	6.88	-1.307	8.57	-1.946	10.24	-1.605
F	3.29	-2.581	4.94	*****	6.59	-1.560	8.23	-1.169	9.88	-1.650
	3.10	-1.998	4.70	*****	6.30	-1.671	7.99	-1.185	9.58	-1.756
	2.90	-1.557	4.50	*****	6.10	-1.802	7.79	-1.362	9.38	-1.858
W	2.70	-1.134	4.30	*****	5.90	-1.805	7.59	-1.483	9.18	-1.971
	2.50	-1.792	4.10	-1.472	5.70	-1.724	7.39	-1.551	8.98	-1.081
	2.30	-1.813	3.90	-1.203	5.50	-1.548	7.19	-1.567	8.78	-1.180
I	2.10	-1.703	3.70	*****	5.30	-1.384	6.99	-1.542	8.58	-1.233
			3.50	-1.851	5.10	-1.196	6.78	-1.476	8.38	-1.289
			3.00	-1.611	4.50	-1.692	6.38	-1.282	7.98	-1.241
N			2.50	-1.651	3.50	-1.441	5.98	-1.901	7.38	-1.897
			2.00	-1.581	2.50	-1.335	5.50	-1.636	6.50	-1.575
G							4.50	-1.367	5.50	-1.354
							3.50	-1.278	4.50	-1.267
							2.50	-1.241	3.50	-1.235
									2.50	-1.228

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-1.365
46.09	-1.491	46.09	-1.250
46.34	-1.398	46.34	-1.180
46.59	-1.312	46.59	-1.117
46.84	-1.226	46.84	-1.051
47.09	*****	47.09	*****
47.34	-1.051	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 21.563 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.947	6.32	-1.638	8.34	-1.223	10.23	-1.911	12.04	-1.565
	3.99	-1.957	6.09	-1.570	8.05	-1.192	9.90	-1.925	11.68	-1.621
E	3.85	-2.068	5.86	-1.574	7.76	-1.183	9.57	-1.954	11.32	-1.596
	3.71	-2.411	5.63	-1.602	7.46	-1.202	9.23	-1.977	10.96	-1.594
V	3.57	-2.804	5.40	-1.770	7.17	-1.084	8.90	-1.019	10.60	-1.606
	3.43	-3.021	5.17	*****	6.88	-1.423	8.57	-1.089	10.24	-1.624
F	3.29	-2.951	4.94	*****	6.59	-1.661	8.23	-1.318	9.88	-1.661
	3.10	-2.343	4.70	*****	6.30	-1.792	7.99	-1.322	9.58	-1.721
	2.90	-1.862	4.50	*****	6.10	-1.958	7.79	-1.511	9.38	-1.814
W	2.70	-1.423	4.30	*****	5.90	-2.016	7.59	-1.659	9.18	-1.951
	2.50	-1.969	4.10	-1.832	5.70	-1.987	7.39	-1.736	8.98	-1.086
	2.30	-1.008	3.90	-1.553	5.50	-1.874	7.19	-1.777	8.78	-1.211
I	2.10	-1.849	3.70	*****	5.30	-1.727	6.99	-1.778	8.58	-1.294
			3.50	-1.118	5.10	-1.567	6.78	-1.735	8.38	-1.376
			3.00	-1.807	4.50	-1.953	6.38	-1.563	7.98	-1.380
N			2.50	-1.823	3.50	-1.477	5.98	-1.136	7.38	-1.034
			2.00	-1.687	2.50	-1.358	5.50	-1.818	6.50	-1.707
G							4.50	-1.475	5.50	-1.436
							3.50	-1.343	4.50	-1.325
							2.50	-1.287	3.50	-1.270
									2.50	-1.256

TRAILING-EDGE FLAP

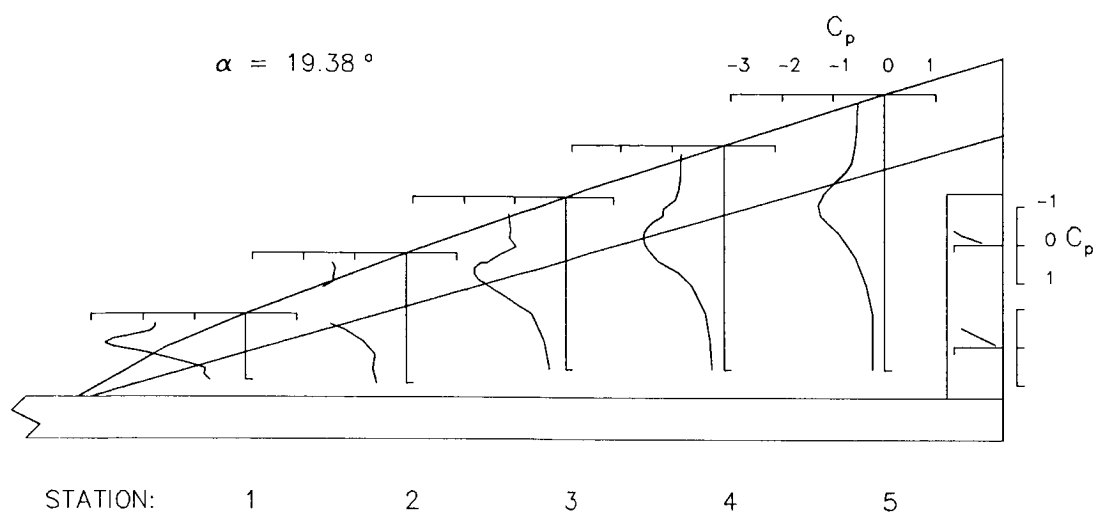
INBOARD

OUTBOARD

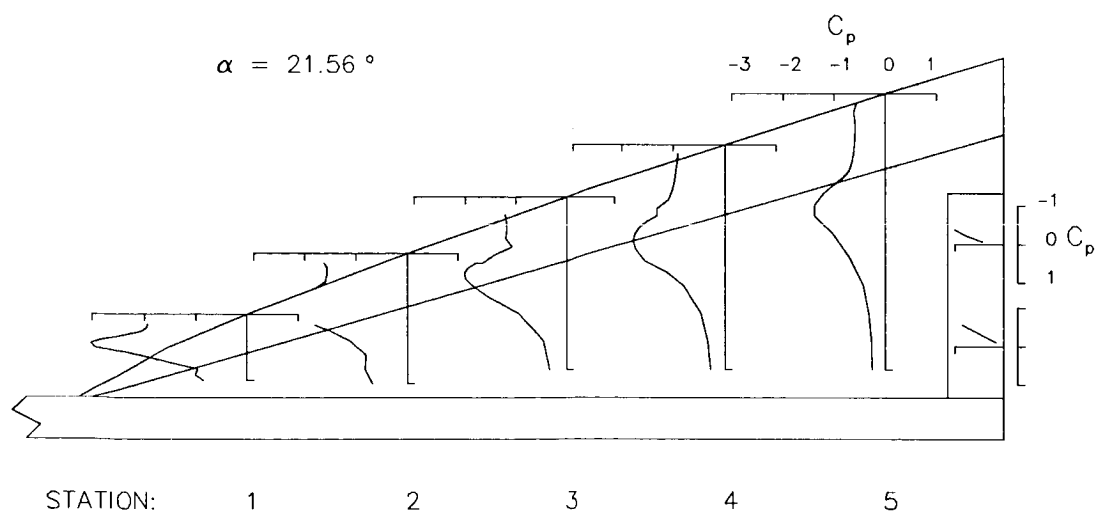
X IN.	CP	X IN.	CP
45.84	*****	45.84	-1.383
46.09	-1.564	46.09	-1.276
46.34	-1.465	46.34	-1.197
46.59	-1.378	46.59	-1.128
46.84	-1.280	46.84	-1.063
47.09	*****	47.09	*****
47.34	-1.094	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 0.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = 0.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 0 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 23.847 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-2.172	6.32	-1.789	8.34	-1.272	10.23	-1.025	12.04	-.604
	3.99	-2.200	6.09	-1.717	8.05	-1.258	9.90	-1.062	11.68	-.645
E	3.85	-2.291	5.86	-1.723	7.76	-1.276	9.57	-1.058	11.32	-.621
	3.71	-2.630	5.63	-1.760	7.46	-1.336	9.23	-1.075	10.96	-.612
V	3.57	-3.044	5.40	-1.905	7.17	-1.240	8.90	-1.119	10.60	-.628
	3.43	-3.304	5.17	*****	6.88	-1.694	8.57	-1.181	10.24	-.654
F	3.29	-3.346	4.94	*****	6.59	-1.926	8.23	-1.420	9.88	-.688
	3.10	-2.693	4.70	*****	6.30	-2.012	7.99	-1.432	9.58	-.741
	2.90	-2.223	4.50	*****	6.10	-2.197	7.79	-1.631	9.38	-.821
W	2.70	-1.738	4.30	*****	5.90	-2.262	7.59	-1.785	9.18	-.943
	2.50	-1.193	4.10	-2.197	5.70	-2.280	7.39	-1.891	8.98	-1.091
	2.30	-1.245	3.90	-1.914	5.50	-2.163	7.19	-1.954	8.78	-1.236
I	2.10	-1.018	3.70	*****	5.30	-2.024	6.99	-1.977	8.58	-1.339
			3.50	-1.460	5.10	-1.846	6.78	-1.960	8.38	-1.447
			3.00	-1.088	4.50	-1.162	6.38	-1.817	7.98	-1.482
N			2.50	-1.007	3.50	-.631	5.98	-1.378	7.38	-1.154
			2.00	-.765	2.50	-.457	5.50	-1.005	6.50	-.825
							4.50	-.593	5.50	-.541
G							3.50	-.418	4.50	-.391
							2.50	-.337	3.50	-.321
									2.50	-.287

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.414
46.09	-.626	46.09	-.302
46.34	-.526	46.34	-.218
46.59	-.429	46.59	-.146
46.84	-.336	46.84	-.078
47.09	*****	47.09	*****
47.34	-.147	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 0.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$

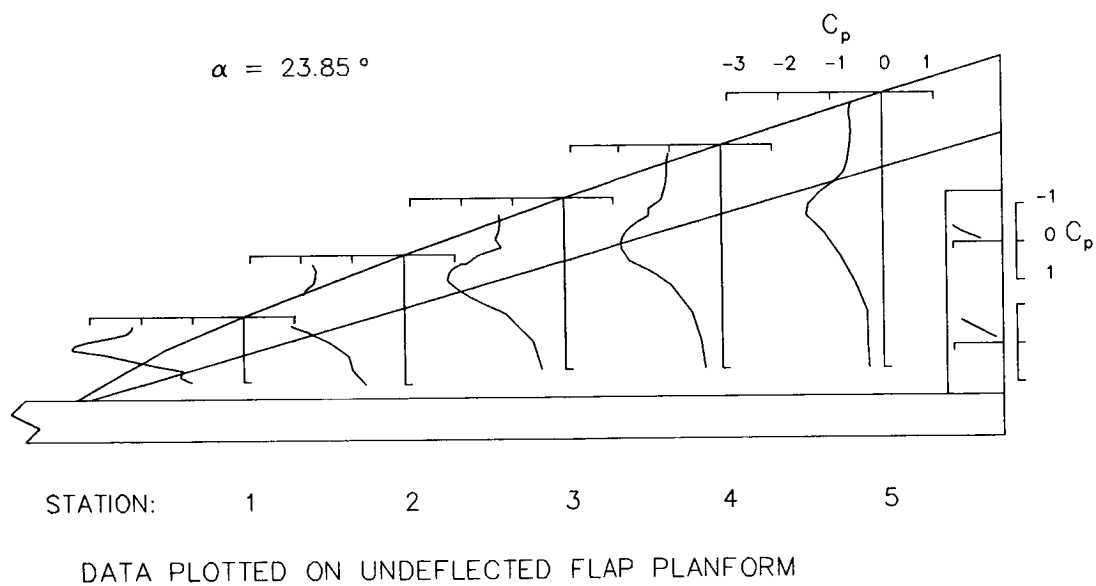


Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV DEFLECTION= 0 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= .078 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.021	6.32	-.043	8.34	-.052	10.23	-.052	12.04	-.087
	3.99	-.026	6.09	-.032	8.05	-.038	9.90	-.042	11.68	-.088
E	3.85	-.040	5.86	-.035	7.76	-.031	9.57	-.048	11.32	-.089
	3.71	-.040	5.63	-.034	7.46	-.036	9.23	-.045	10.96	-.082
V	3.57	-.038	5.40	-.039	7.17	-.057	8.90	-.050	10.60	-.096
	3.43	-.039	5.17	*****	6.88	-.033	8.57	-.038	10.24	-.093
F	3.29	-.037	4.94	*****	6.59	-.032	8.23	-.040	9.88	-.101
	3.10	-.045	4.70	*****	6.30	-.024	7.99	-.038	9.58	-.089
	2.90	-.033	4.50	*****	6.10	-.030	7.79	-.044	9.38	-.108
W	2.70	-.031	4.30	*****	5.90	-.030	7.59	-.045	9.18	-.115
	2.50	-.059	4.10	-.052	5.70	-.036	7.39	-.051	8.98	-.123
	2.30	-.069	3.90	-.054	5.50	-.040	7.19	-.052	8.78	-.133
I	2.10	-.042	3.70	*****	5.30	-.041	6.99	-.059	8.58	-.138
			3.50	-.063	5.10	-.043	6.78	-.062	8.38	-.150
N			3.00	-.071	4.50	-.043	6.38	-.071	7.98	-.159
			2.50	-.123	3.50	-.028	5.98	-.064	7.38	-.161
			2.00	-.098	2.50	-.025	5.50	-.057	6.50	-.164
G							4.50	-.052	5.50	-.172
							3.50	-.053	4.50	-.173
							2.50	-.042	3.50	-.173
									2.50	-.172

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.358
46.09	-.240	46.09	-.216
46.34	-.171	46.34	-.153
46.59	-.119	46.59	-.119
46.84	-.078	46.84	-.100
47.09	*****	47.09	-.078
47.34	-.002	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV DEFLECTION= 0 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 2.161 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.236	6.32	-.241	8.34	-.218	10.23	-.210	12.04	-.240
	3.99	-.230	6.09	-.267	8.05	-.221	9.90	-.218	11.68	-.244
E	3.85	-.187	5.86	-.243	7.76	-.241	9.57	-.230	11.32	-.260
	3.71	-.103	5.63	-.136	7.46	-.226	9.23	-.217	10.96	-.263
V	3.57	-.057	5.40	-.054	7.17	-.109	8.90	-.199	10.60	-.251
	3.43	-.062	5.17	*****	6.88	-.040	8.57	-.091	10.24	-.178
F	3.29	-.069	4.94	*****	6.59	-.037	8.23	-.049	9.88	-.146
	3.10	-.078	4.70	*****	6.30	-.037	7.99	-.043	9.58	-.105
	2.90	-.066	4.50	*****	6.10	-.050	7.79	-.050	9.38	-.107
W	2.70	-.070	4.30	*****	5.90	-.056	7.59	-.053	9.18	-.111
	2.50	-.088	4.10	-.085	5.70	-.059	7.39	-.060	8.98	-.117
	2.30	-.103	3.90	-.084	5.50	-.065	7.19	-.065	8.78	-.134
I	2.10	-.079	3.70	*****	5.30	-.067	6.99	-.077	8.58	-.138
			3.50	-.098	5.10	-.070	6.78	-.083	8.38	-.154
N			3.00	-.105	4.50	-.070	6.38	-.092	7.98	-.166
			2.50	-.152	3.50	-.057	5.98	-.087	7.38	-.175
			2.00	-.129	2.50	-.050	5.50	-.079	6.50	-.180
G							4.50	-.074	5.50	-.185
							3.50	-.070	4.50	-.187
							2.50	-.061	3.50	-.186
									2.50	-.185

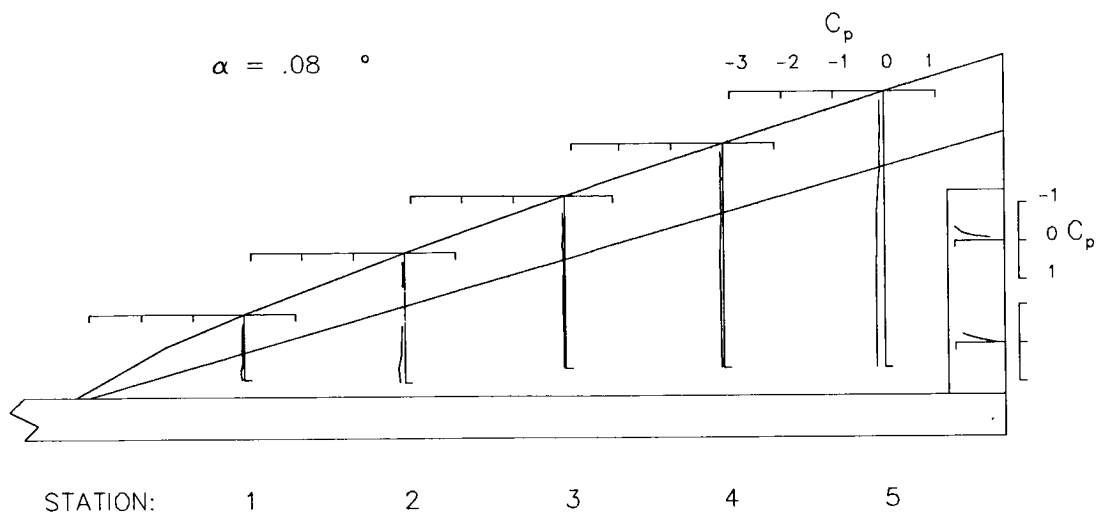
TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.378
46.09	-.254	46.09	-.225
46.34	-.186	46.34	-.159
46.59	-.135	46.59	-.124
46.84	-.099	46.84	-.106
47.09	*****	47.09	-.078
47.34	-.012	47.34	*****

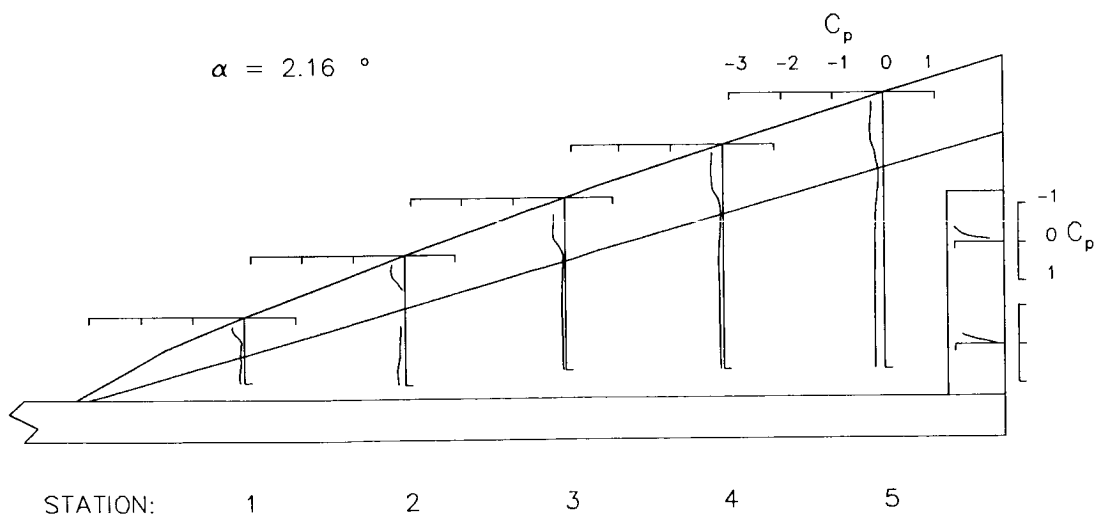
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Table V. Continued

$$\delta_{LEVF} = 0.0^\circ \quad \delta_{TEF} = 10.0^\circ$$



$$\delta_{LEVF} = 0.0^\circ \quad \delta_{TEF} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 0 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 4.171 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.409	6.32	-.358	8.34	-.313	10.23	-.278	12.04	-.285
	3.99	-.462	6.09	-.383	8.05	-.329	9.90	-.307	11.68	-.315
E	3.85	-.623	5.86	-.502	7.76	-.341	9.57	-.317	11.32	-.328
	3.71	-.475	5.63	-.566	7.46	-.511	9.23	-.395	10.96	-.333
V	3.57	-.177	5.40	-.431	7.17	-.300	8.90	-.514	10.60	-.451
	3.43	-.059	5.17	*****	6.88	-.329	8.57	-.429	10.24	-.483
F	3.29	-.067	4.94	*****	6.59	-.116	8.23	-.280	9.88	-.455
	3.10	-.106	4.70	*****	6.30	-.037	7.99	-.155	9.58	-.306
	2.90	-.098	4.50	*****	6.10	-.040	7.79	-.079	9.38	-.235
W	2.70	-.105	4.30	*****	5.90	-.048	7.59	-.048	9.18	-.169
	2.50	-.115	4.10	-.104	5.70	-.059	7.39	-.043	8.98	-.119
	2.30	-.148	3.90	-.110	5.50	-.070	7.19	-.051	8.78	-.111
I	2.10	-.119	3.70	*****	5.30	-.079	6.99	-.062	8.58	-.105
			3.50	-.123	5.10	-.084	6.78	-.074	8.38	-.118
			3.00	-.136	4.50	-.093	6.38	-.096	7.98	-.145
N			2.50	-.185	3.50	-.079	5.98	-.096	7.38	-.170
			2.00	-.162	2.50	-.073	5.50	-.089	6.50	-.182
							4.50	-.089	5.50	-.188
G							3.50	-.088	4.50	-.191
							2.50	-.079	3.50	-.190
									2.50	-.190

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.277
46.34	-.178
46.59	-.118
46.84	-.074
47.09	*****
47.34	.007

OUTBOARD

X IN.	CP
45.84	-.294
46.09	-.195
46.34	-.160
46.59	-.141
46.84	-.129
47.09	-.110
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 0 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 6.283 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.582	6.32	-.515	8.34	-.431	10.23	-.375	12.04	-.365
	3.99	-.632	6.09	-.517	8.05	-.454	9.90	-.409	11.68	-.394
E	3.85	-.886	5.86	-.560	7.76	-.453	9.57	-.421	11.32	-.422
	3.71	-.921	5.63	-.824	7.46	-.545	9.23	-.432	10.96	-.415
V	3.57	-.612	5.40	-.837	7.17	-.470	8.90	-.578	10.60	-.446
	3.43	-.272	5.17	*****	6.88	-.715	8.57	-.701	10.24	-.592
F	3.29	-.136	4.94	*****	6.59	-.466	8.23	-.673	9.88	-.705
	3.10	-.134	4.70	*****	6.30	-.244	7.99	-.474	9.58	-.623
	2.90	-.130	4.50	*****	6.10	-.151	7.79	-.383	9.38	-.576
W	2.70	-.145	4.30	*****	5.90	-.098	7.59	-.244	9.18	-.476
	2.50	-.156	4.10	-.124	5.70	-.081	7.39	-.165	8.98	-.365
	2.30	-.198	3.90	-.132	5.50	-.083	7.19	-.113	8.78	-.289
I	2.10	-.168	3.70	*****	5.30	-.090	6.99	-.092	8.58	-.204
			3.50	-.153	5.10	-.093	6.78	-.082	8.38	-.165
			3.00	-.170	4.50	-.109	6.38	-.091	7.98	-.134
N			2.50	-.225	3.50	-.104	5.98	-.101	7.38	-.158
			2.00	-.198	2.50	-.102	5.50	-.101	6.50	-.184
							4.50	-.106	5.50	-.199
G							3.50	-.108	4.50	-.203
							2.50	-.098	3.50	-.205
									2.50	-.204

TRAILING-EDGE FLAP

INBOARD

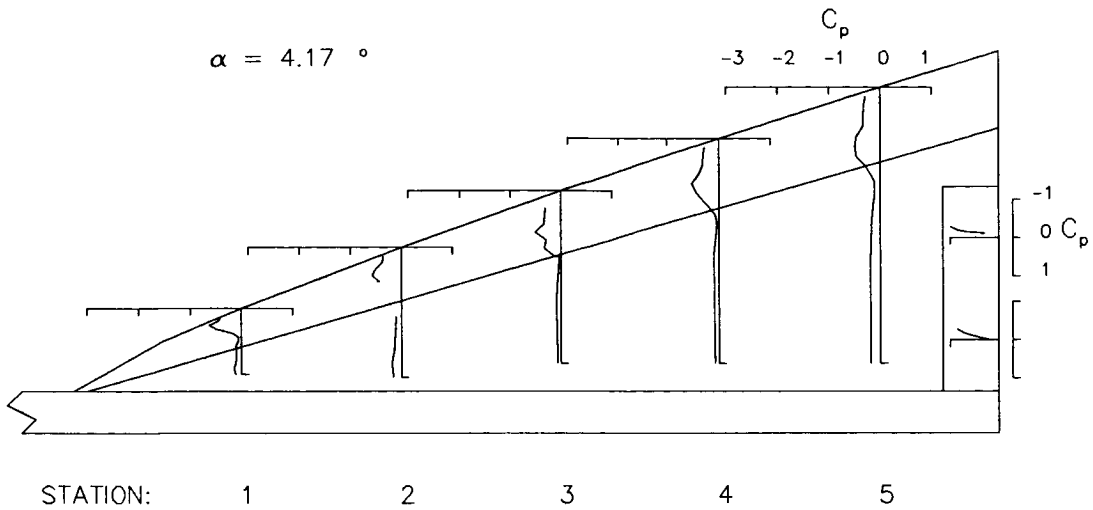
X IN.	CP
45.84	*****
46.09	-.337
46.34	-.207
46.59	-.114
46.84	-.045
47.09	*****
47.34	.058

OUTBOARD

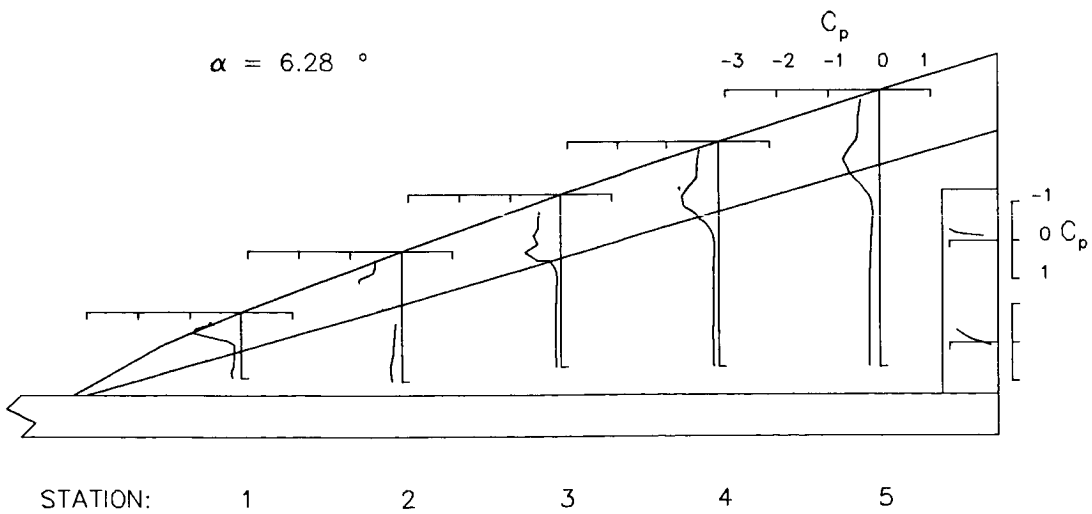
X IN.	CP
45.84	-.295
46.09	-.203
46.34	-.176
46.59	-.157
46.84	-.140
47.09	-.121
47.34	*****

Table V. Continued

$$\delta_{LEVf} = 0.0^\circ \quad \delta_{TEF} = 10.0^\circ$$



$$\delta_{LEVf} = 0.0^\circ \quad \delta_{TEF} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 8.428 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.776	6.32	-.660	8.34	-.551	10.23	-.476	12.04	-.433
	3.99	-.815	6.09	-.672	8.05	-.579	9.90	-.521	11.68	-.473
E	3.85	-.996	5.86	-.684	7.76	-.570	9.57	-.525	11.32	-.507
	3.71	-1.300	5.63	-.828	7.46	-.597	9.23	-.528	10.96	-.488
V	3.57	-1.141	5.40	-1.110	7.17	-.561	8.90	-.577	10.60	-.502
	3.43	-.723	5.17	*****	6.88	-.996	8.57	-.780	10.24	-.550
F	3.29	-.399	4.94	*****	6.59	-.874	8.23	-.916	9.88	-.770
	3.10	-.234	4.70	*****	6.30	-.596	7.99	-.771	9.58	-.811
	2.90	-.189	4.50	*****	6.10	-.452	7.79	-.730	9.38	-.840
W	2.70	-.191	4.30	*****	5.90	-.294	7.59	-.570	9.18	-.788
	2.50	-.205	4.10	-.173	5.70	-.205	7.39	-.460	8.98	-.688
	2.30	-.248	3.90	-.169	5.50	-.158	7.19	-.332	8.78	-.599
I	2.10	-.216	3.70	*****	5.30	-.131	6.99	-.251	8.58	-.459
			3.50	-.184	5.10	-.118	6.78	-.188	8.38	-.379
			3.00	-.204	4.50	-.129	6.38	-.125	7.98	-.230
N			2.50	-.268	3.50	-.133	5.98	-.120	7.38	-.179
			2.00	-.239	2.50	-.130	5.50	-.115	6.50	-.190
							4.50	-.124	5.50	-.207
G							3.50	-.127	4.50	-.214
							2.50	-.121	3.50	-.217
									2.50	-.221

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.348
46.09	-.372	46.09	-.232
46.34	-.243	46.34	-.194
46.59	-.140	46.59	-.170
46.84	-.060	46.84	-.150
47.09	*****	47.09	-.125
47.34	.060	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 9.989 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.926	6.32	-.772	8.34	-.640	10.23	-.550	12.04	-.475
	3.99	-.957	6.09	-.784	8.05	-.682	9.90	-.593	11.68	-.519
E	3.85	-1.070	5.86	-.796	7.76	-.657	9.57	-.599	11.32	-.552
	3.71	-1.470	5.63	-.825	7.46	-.676	9.23	-.600	10.96	-.533
V	3.57	-1.464	5.40	-1.188	7.17	-.612	8.90	-.615	10.60	-.544
	3.43	-1.112	5.17	*****	6.88	-1.068	8.57	-.776	10.24	-.559
F	3.29	-.661	4.94	*****	6.59	-1.078	8.23	-.985	9.88	-.742
	3.10	-.387	4.70	*****	6.30	-.869	7.99	-.937	9.58	-.859
	2.90	-.263	4.50	*****	6.10	-.698	7.79	-.941	9.38	-.943
W	2.70	-.242	4.30	*****	5.90	-.526	7.59	-.844	9.18	-.951
	2.50	-.249	4.10	-.252	5.70	-.384	7.39	-.694	8.98	-.893
	2.30	-.293	3.90	-.218	5.50	-.286	7.19	-.569	8.78	-.800
I	2.10	-.260	3.70	*****	5.30	-.215	6.99	-.437	8.58	-.700
			3.50	-.217	5.10	-.175	6.78	-.337	8.38	-.566
			3.00	-.233	4.50	-.151	6.38	-.201	7.98	-.374
N			2.50	-.303	3.50	-.153	5.98	-.154	7.38	-.231
			2.00	-.272	2.50	-.154	5.50	-.141	6.50	-.206
							4.50	-.143	5.50	-.215
G							3.50	-.145	4.50	-.225
							2.50	-.139	3.50	-.234
									2.50	-.236

TRAILING-EDGE FLAP

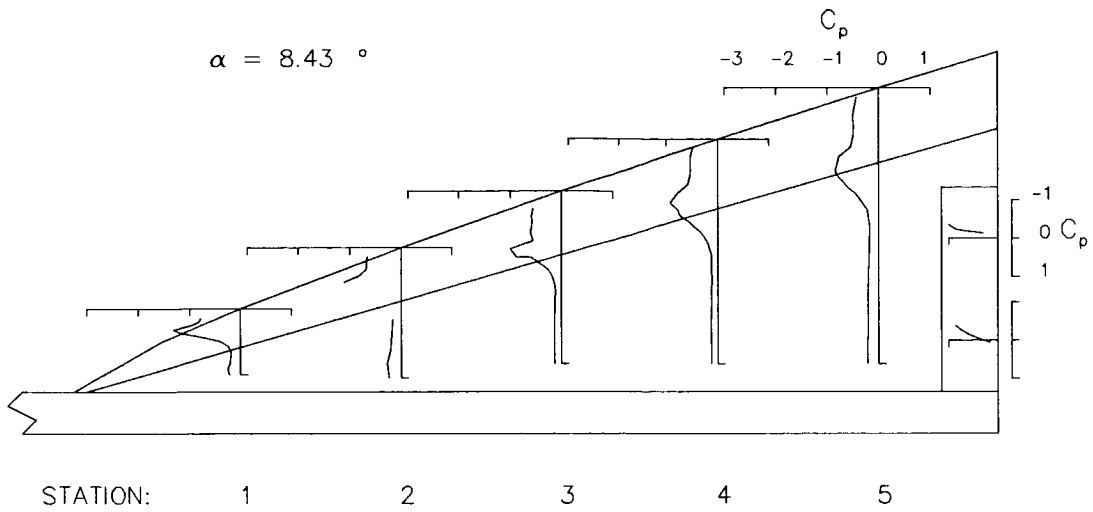
INBOARD

OUTBOARD

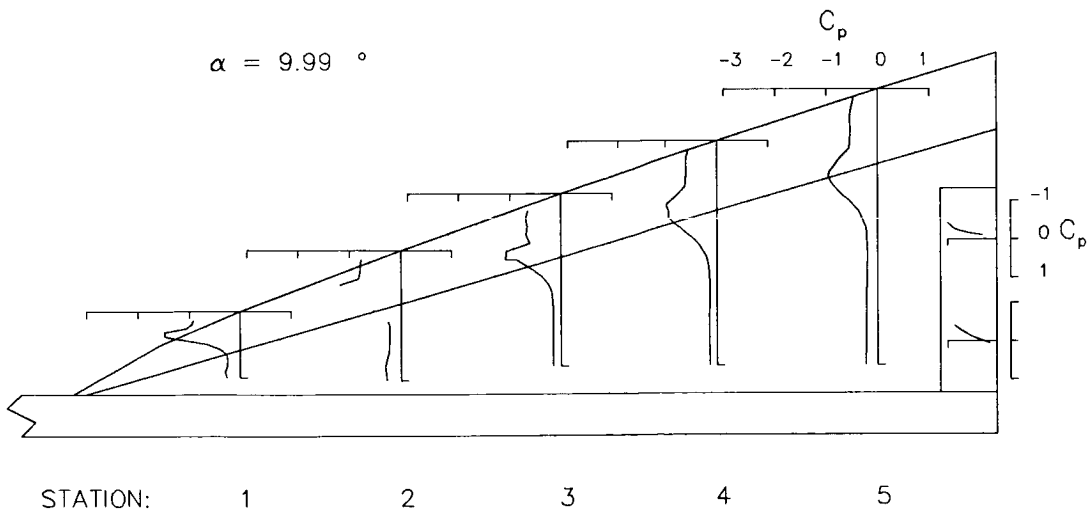
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.422
46.09	-.402	46.09	-.270
46.34	-.263	46.34	-.200
46.59	-.161	46.59	-.159
46.84	-.075	46.84	-.132
47.09	*****	47.09	-.107
47.34	.058	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 0.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEVF}} = 0.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 10.972 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.015	6.32	-.849	8.34	-.697	10.23	-.591	12.04	-.498
	3.99	-1.022	6.09	-.855	8.05	-.737	9.90	-.644	11.68	-.550
E	3.85	-1.123	5.86	-.863	7.76	-.717	9.57	-.641	11.32	-.572
	3.71	-1.534	5.63	-.864	7.46	-.724	9.23	-.637	10.96	-.554
V	3.57	-1.650	5.40	-1.219	7.17	-.646	8.90	-.650	10.60	-.561
	3.43	-1.334	5.17	*****	6.88	-1.087	8.57	-.771	10.24	-.579
F	3.29	-.889	4.94	*****	6.59	-1.196	8.23	-1.021	9.88	-.727
	3.10	-.512	4.70	*****	6.30	-1.018	7.99	-1.004	9.58	-.859
	2.90	-.337	4.50	*****	6.10	-.877	7.79	-1.037	9.38	-.970
W	2.70	-.285	4.30	*****	5.90	-.681	7.59	-.966	9.18	-1.014
	2.50	-.283	4.10	-.324	5.70	-.526	7.39	-.832	8.98	-.989
	2.30	-.328	3.90	-.269	5.50	-.394	7.19	-.701	8.78	-.925
I	2.10	-.293	3.70	*****	5.30	-.298	6.99	-.580	8.58	-.825
			3.50	-.240	5.10	-.236	6.78	-.450	8.38	-.716
			3.00	-.251	4.50	-.174	6.38	-.280	7.98	-.482
N			2.50	-.323	3.50	-.170	5.98	-.191	7.38	-.288
			2.00	-.293	2.50	-.173	5.50	-.161	6.50	-.227
G							4.50	-.151	5.50	-.229
							3.50	-.158	4.50	-.240
							2.50	-.150	3.50	-.243
									2.50	-.244

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.446
46.09	-.421	46.09	-.279
46.34	-.281	46.34	-.204
46.59	-.176	46.59	-.161
46.84	-.086	46.84	-.134
47.09	*****	47.09	-.109
47.34	.051	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 12.017 DEG.

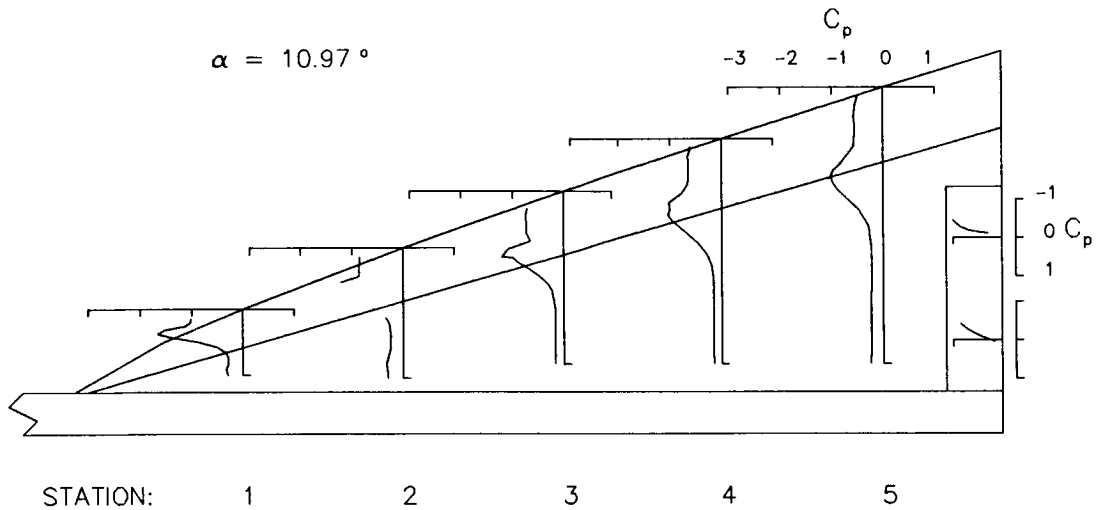
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.103	6.32	-.915	8.34	-.756	10.23	-.633	12.04	-.519
	3.99	-1.102	6.09	-.932	8.05	-.795	9.90	-.684	11.68	-.578
E	3.85	-1.187	5.86	-.938	7.76	-.770	9.57	-.674	11.32	-.598
	3.71	-1.609	5.63	-.926	7.46	-.780	9.23	-.672	10.96	-.579
V	3.57	-1.826	5.40	-1.229	7.17	-.691	8.90	-.689	10.60	-.586
	3.43	-1.555	5.17	*****	6.88	-1.110	8.57	-.795	10.24	-.601
F	3.29	-1.150	4.94	*****	6.59	-1.285	8.23	-1.047	9.88	-.720
	3.10	-.678	4.70	*****	6.30	-1.166	7.99	-1.044	9.58	-.864
	2.90	-.441	4.50	*****	6.10	-1.063	7.79	-1.124	9.38	-.990
W	2.70	-.349	4.30	*****	5.90	-.877	7.59	-1.084	9.18	-1.059
	2.50	-.320	4.10	-.425	5.70	-.696	7.39	-.975	8.98	-1.071
	2.30	-.371	3.90	-.335	5.50	-.549	7.19	-.862	8.78	-1.041
I	2.10	-.330	3.70	*****	5.30	-.409	6.99	-.715	8.58	-.944
			3.50	-.276	5.10	-.311	6.78	-.588	8.38	-.865
			3.00	-.276	4.50	-.203	6.38	-.372	7.98	-.621
N			2.50	-.345	3.50	-.186	5.98	-.247	7.38	-.363
			2.00	-.325	2.50	-.189	5.50	-.190	6.50	-.256
G							4.50	-.170	5.50	-.241
							3.50	-.171	4.50	-.250
							2.50	-.161	3.50	-.252
									2.50	-.249

TRAILING-EDGE FLAP

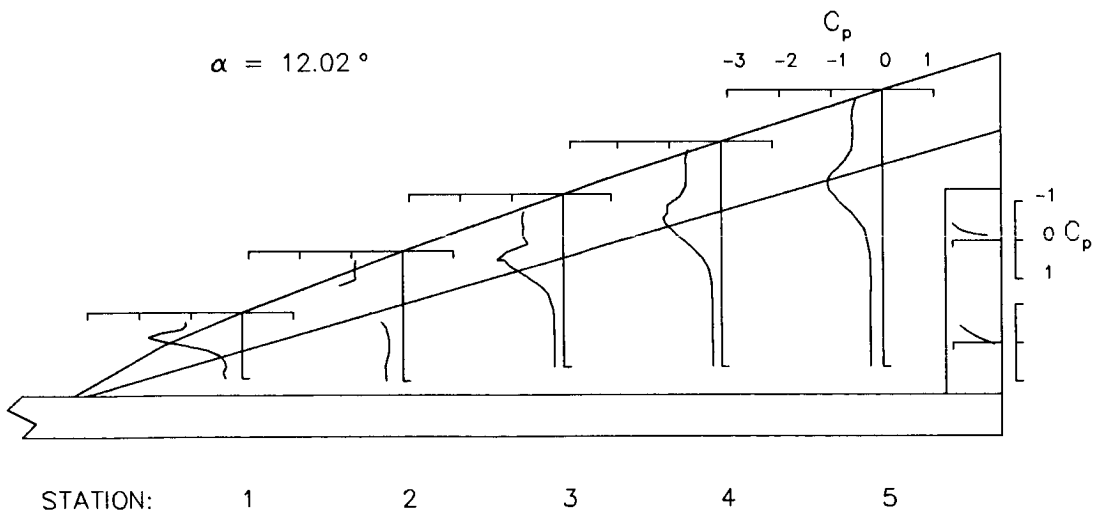
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.439
46.09	-.447	46.09	-.281
46.34	-.306	46.34	-.217
46.59	-.194	46.59	-.176
46.84	-.103	46.84	-.146
47.09	*****	47.09	-.120
47.34	.037	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 0.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEVF}} = 0.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 12.967 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.196	6.32	-1.006	8.34	-.817	10.23	-.678	12.04	-.538
	3.99	-1.182	6.09	-.991	8.05	-.851	9.90	-.723	11.68	-.598
E	3.85	-1.251	5.86	-1.007	7.76	-.816	9.57	-.710	11.32	-.608
	3.71	-1.663	5.63	-.991	7.46	-.829	9.23	-.709	10.96	-.589
V	3.57	-1.939	5.40	-1.265	7.17	-.733	8.90	-.726	10.60	-.598
	3.43	-1.769	5.17	*****	6.88	-1.140	8.57	-.806	10.24	-.615
F	3.29	-1.378	4.94	*****	6.59	-1.346	8.23	-1.071	9.88	-.718
	3.10	-.840	4.70	*****	6.30	-1.271	7.99	-1.078	9.58	-.858
	2.90	-.544	4.50	*****	6.10	-1.199	7.79	-1.190	9.38	-1.003
W	2.70	-.420	4.30	*****	5.90	-1.034	7.59	-1.185	9.18	-1.084
	2.50	-.359	4.10	-.535	5.70	-.852	7.39	-1.099	8.98	-1.116
	2.30	-.406	3.90	-.417	5.50	-.672	7.19	-.987	8.78	-1.113
I	2.10	-.374	3.70	*****	5.30	-.528	6.99	-.863	8.58	-1.045
			3.50	-.314	5.10	-.404	6.78	-.718	8.38	-.983
			3.00	-.302	4.50	-.246	6.38	-.478	7.98	-.730
N			2.50	-.355	3.50	-.207	5.98	-.309	7.38	-.427
			2.00	-.352	2.50	-.208	5.50	-.223	6.50	-.293
							4.50	-.186	5.50	-.256
G							3.50	-.182	4.50	-.255
							2.50	-.172	3.50	-.259
									2.50	-.258

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.415
46.09	-.469	46.09	-.283
46.34	-.326	46.34	-.228
46.59	-.216	46.59	-.197
46.84	-.123	46.84	-.171
47.09	*****	47.09	-.140
47.34	.019	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 13.969 DEG.

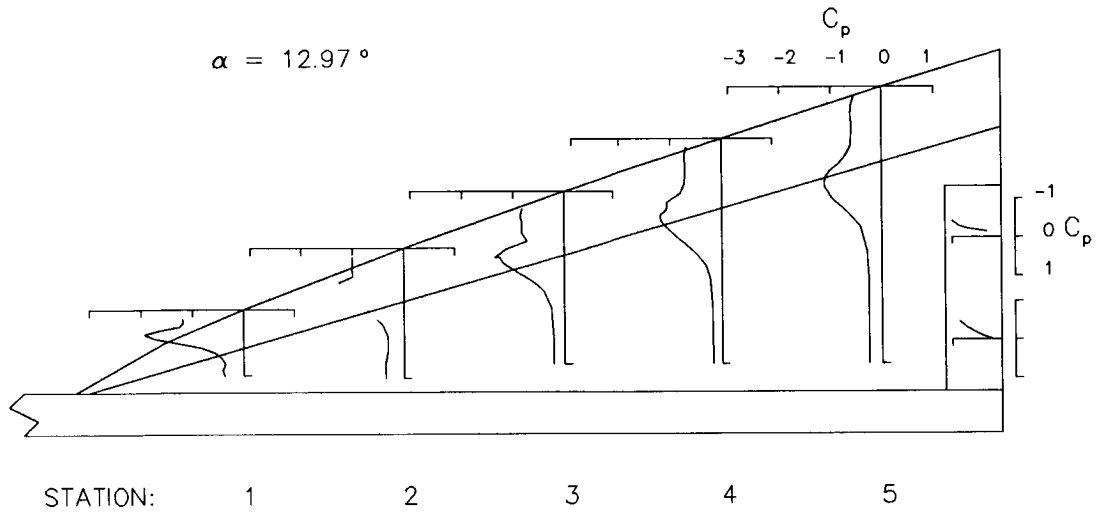
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.271	6.32	-1.073	8.34	-.864	10.23	-.712	12.04	-.553
	3.99	-1.270	6.09	-1.055	8.05	-.892	9.90	-.760	11.68	-.613
E	3.85	-1.338	5.86	-1.077	7.76	-.870	9.57	-.743	11.32	-.619
	3.71	-1.728	5.63	-1.066	7.46	-.882	9.23	-.743	10.96	-.598
V	3.57	-2.056	5.40	-1.327	7.17	-.788	8.90	-.763	10.60	-.611
	3.43	-1.963	5.17	*****	6.88	-1.187	8.57	-.845	10.24	-.630
F	3.29	-1.613	4.94	*****	6.59	-1.407	8.23	-1.110	9.88	-.726
	3.10	-1.036	4.70	*****	6.30	-1.380	7.99	-1.127	9.58	-.869
	2.90	-.682	4.50	*****	6.10	-1.340	7.79	-1.251	9.38	-1.005
W	2.70	-.504	4.30	*****	5.90	-1.188	7.59	-1.279	9.18	-1.111
	2.50	-.410	4.10	-.662	5.70	-1.012	7.39	-1.214	8.98	-1.165
	2.30	-.453	3.90	-.516	5.50	-.818	7.19	-1.122	8.78	-1.185
I	2.10	-.415	3.70	*****	5.30	-.651	6.99	-.982	8.58	-1.130
			3.50	-.372	5.10	-.510	6.78	-.847	8.38	-1.087
			3.00	-.334	4.50	-.284	6.38	-.599	7.98	-.848
N			2.50	-.389	3.50	-.230	5.98	-.384	7.38	-.515
			2.00	-.378	2.50	-.225	5.50	-.272	6.50	-.332
							4.50	-.205	5.50	-.271
G							3.50	-.202	4.50	-.267
							2.50	-.186	3.50	-.266
									2.50	-.261

TRAILING-EDGE FLAP

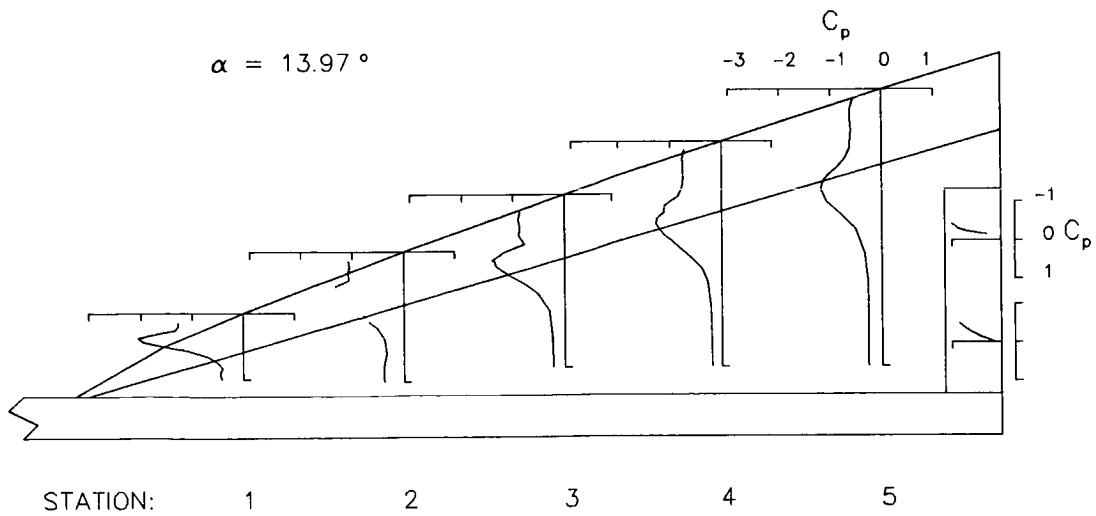
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.422
46.09	-.492	46.09	-.279
46.34	-.348	46.34	-.232
46.59	-.238	46.59	-.197
46.84	-.144	46.84	-.170
47.09	*****	47.09	-.150
47.34	-.010	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 0.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = 0.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 14.964 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.355	6.32	-1.147	8.34	-.923	10.23	-.755	12.04	-.566
	3.99	-1.367	6.09	-1.123	8.05	-.941	9.90	-.793	11.68	-.629
E	3.85	-1.437	5.86	-1.142	7.76	-.915	9.57	-.775	11.32	-.621
	3.71	-1.803	5.63	-1.137	7.46	-.929	9.23	-.775	10.96	-.614
V	3.57	-2.158	5.40	-1.386	7.17	-.828	8.90	-.801	10.60	-.627
	3.43	-2.163	5.17	*****	6.88	-1.237	8.57	-.877	10.24	-.652
F	3.29	-1.818	4.94	*****	6.59	-1.464	8.23	-1.158	9.88	-.741
	3.10	-1.235	4.70	*****	6.30	-1.474	7.99	-1.163	9.58	-.883
	2.90	-.844	4.50	*****	6.10	-1.475	7.79	-1.312	9.38	-1.014
W	2.70	-.607	4.30	*****	5.90	-1.330	7.59	-1.364	9.18	-1.130
	2.50	-.468	4.10	-.804	5.70	-1.165	7.39	-1.324	8.98	-1.201
	2.30	-.509	3.90	-.618	5.50	-.973	7.19	-1.235	8.78	-1.235
I	2.10	-.461	3.70	*****	5.30	-.780	6.99	-1.118	8.58	-1.216
			3.50	-.434	5.10	-.626	6.78	-.990	8.38	-1.179
			3.00	-.376	4.50	-.351	6.38	-.718	7.98	-.967
N			2.50	-.430	3.50	-.260	5.98	-.464	7.38	-.604
			2.00	-.408	2.50	-.247	5.50	-.328	6.50	-.380
							4.50	-.234	5.50	-.294
G							3.50	-.219	4.50	-.282
							2.50	-.203	3.50	-.275
									2.50	-.273

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.444
46.09	-.510	46.09	-.297
46.34	-.371	46.34	-.234
46.59	-.259	46.59	-.202
46.84	-.163	46.84	-.173
47.09	*****	47.09	-.148
47.34	-.043	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 15.984 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.447	6.32	-1.235	8.34	-.975	10.23	-.791	12.04	-.587
	3.99	-1.469	6.09	-1.198	8.05	-.984	9.90	-.834	11.68	-.647
E	3.85	-1.550	5.86	-1.209	7.76	-.966	9.57	-.809	11.32	-.640
	3.71	-1.922	5.63	-1.217	7.46	-.985	9.23	-.820	10.96	-.623
V	3.57	-2.303	5.40	-1.453	7.17	-.884	8.90	-.842	10.60	-.635
	3.43	-2.354	5.17	*****	6.88	-1.286	8.57	-.917	10.24	-.658
F	3.29	-2.037	4.94	*****	6.59	-1.526	8.23	-1.200	9.88	-.739
	3.10	-1.437	4.70	*****	6.30	-1.562	7.99	-1.210	9.58	-.884
	2.90	-1.004	4.50	*****	6.10	-1.588	7.79	-1.370	9.38	-1.013
W	2.70	-.707	4.30	*****	5.90	-1.470	7.59	-1.438	9.18	-1.147
	2.50	-.531	4.10	-.959	5.70	-1.319	7.39	-1.418	8.98	-1.231
	2.30	-.570	3.90	-.742	5.50	-1.124	7.19	-1.352	8.78	-1.287
I	2.10	-.513	3.70	*****	5.30	-.931	6.99	-1.253	8.58	-1.284
			3.50	-.516	5.10	-.774	6.78	-1.129	8.38	-1.264
			3.00	-.419	4.50	-.420	6.38	-.849	7.98	-1.082
N			2.50	-.466	3.50	-.294	5.98	-.562	7.38	-.694
			2.00	-.438	2.50	-.273	5.50	-.392	6.50	-.434
							4.50	-.266	5.50	-.323
G							3.50	-.236	4.50	-.298
							2.50	-.216	3.50	-.293
									2.50	-.288

TRAILING-EDGE FLAP

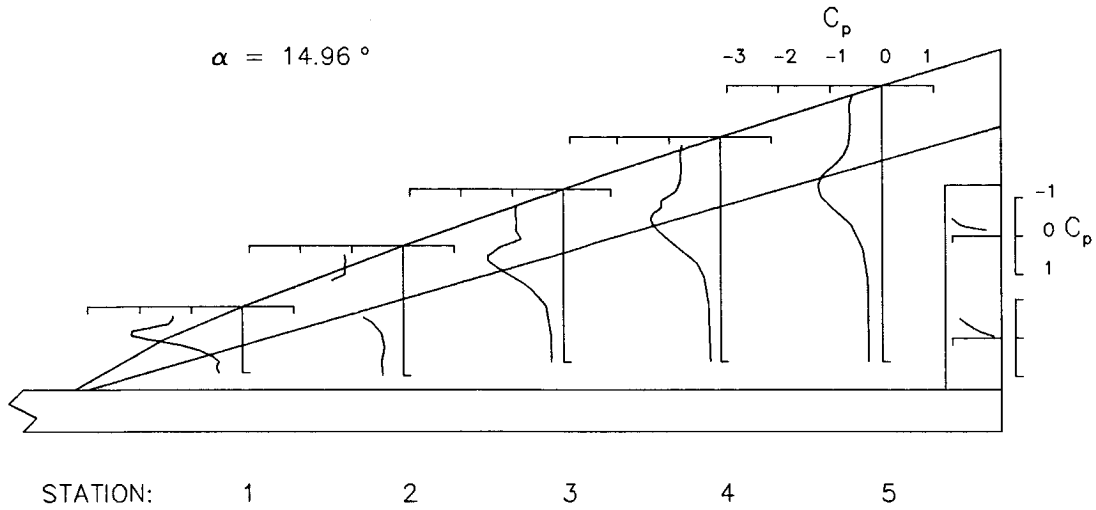
INBOARD

OUTBOARD

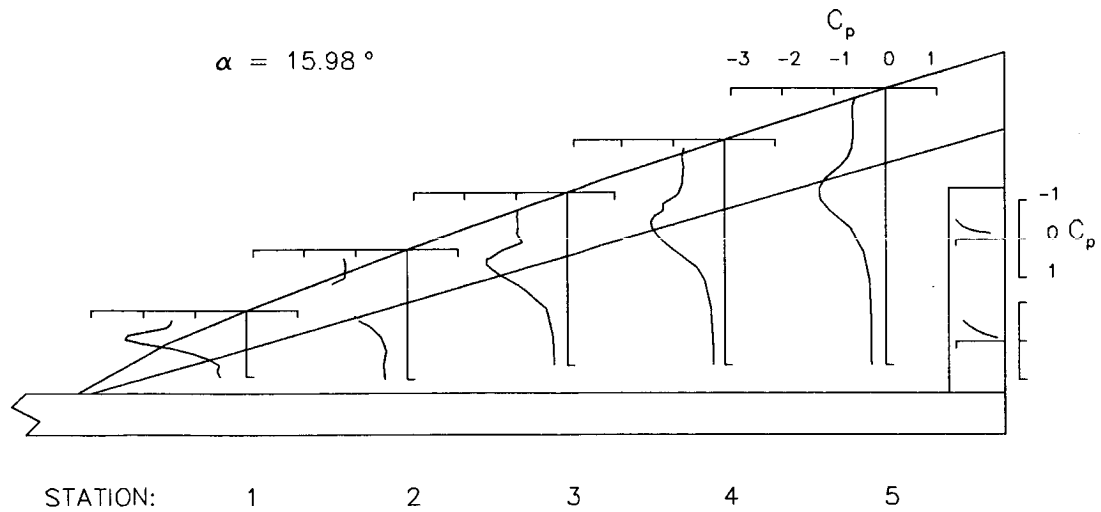
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.498
46.09	-.530	46.09	-.316
46.34	-.387	46.34	-.247
46.59	-.278	46.59	-.198
46.84	-.191	46.84	-.175
47.09	*****	47.09	-.148
47.34	-.085	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 0.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEVF}} = 0.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 19.571 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.810	6.32	-1.537	8.34	-1.182	10.23	-.944	12.04	-.650
	3.99	-1.828	6.09	-1.467	8.05	-1.170	9.90	-.959	11.68	-.671
E	3.85	-1.904	5.86	-1.451	7.76	-1.139	9.57	-.936	11.32	-.678
	3.71	-2.255	5.63	-1.471	7.46	-1.178	9.23	-.957	10.96	-.682
V	3.57	-2.665	5.40	-1.664	7.17	-1.058	8.90	-.987	10.60	-.701
	3.43	-2.825	5.17	*****	6.88	-1.387	8.57	-1.031	10.24	-.732
F	3.29	-2.666	4.94	*****	6.59	-1.626	8.23	-1.262	9.88	-.792
	3.10	-2.053	4.70	*****	6.30	-1.728	7.99	-1.289	9.58	-.904
	2.90	-1.594	4.50	*****	6.10	-1.867	7.79	-1.465	9.38	-1.020
W	2.70	-1.184	4.30	*****	5.90	-1.867	7.59	-1.600	9.18	-1.142
	2.50	-.805	4.10	-1.547	5.70	-1.785	7.39	-1.672	8.98	-1.272
	2.30	-.852	3.90	-1.262	5.50	-1.648	7.19	-1.689	8.78	-1.380
I	2.10	-.735	3.70	*****	5.30	-1.475	6.99	-1.657	8.58	-1.435
			3.50	-.887	5.10	-1.279	6.78	-1.593	8.38	-1.476
N			3.00	-.641	4.50	-.787	6.38	-1.370	7.98	-1.409
			2.50	-.682	3.50	-.507	5.98	-.993	7.38	-1.026
			2.00	-.601	2.50	-.358	5.50	-.692	6.50	-.688
							4.50	-.410	5.50	-.461
G							3.50	-.319	4.50	-.380
							2.50	-.278	3.50	-.344
									2.50	-.330

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.647
46.34	-.489
46.59	-.356
46.84	-.273
47.09	*****
47.34	-.204

OUTBOARD

X IN.	CP
45.84	-.609
46.09	-.398
46.34	-.289
46.59	-.231
46.84	-.199
47.09	-.163
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 21.805 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-2.007	6.32	-1.701	8.34	-1.295	10.23	-1.026	12.04	-.694
	3.99	-2.021	6.09	-1.622	8.05	-1.244	9.90	-1.043	11.68	-.762
E	3.85	-2.141	5.86	-1.633	7.76	-1.248	9.57	-1.063	11.32	-.746
	3.71	-2.470	5.63	-1.656	7.46	-1.282	9.23	-1.081	10.96	-.730
V	3.57	-2.872	5.40	-1.837	7.17	-1.155	8.90	-1.118	10.60	-.733
	3.43	-3.070	5.17	*****	6.88	-1.500	8.57	-1.192	10.24	-.759
F	3.29	-3.062	4.94	*****	6.59	-1.761	8.23	-1.423	9.88	-.802
	3.10	-2.424	4.70	*****	6.30	-1.888	7.99	-1.456	9.58	-.886
	2.90	-1.943	4.50	*****	6.10	-2.060	7.79	-1.639	9.38	-.978
W	2.70	-1.482	4.30	*****	5.90	-2.120	7.59	-1.780	9.18	-1.131
	2.50	-1.004	4.10	-1.916	5.70	-2.093	7.39	-1.854	8.98	-1.286
	2.30	-1.061	3.90	-1.631	5.50	-1.983	7.19	-1.901	8.78	-1.397
I	2.10	-.893	3.70	*****	5.30	-1.834	6.99	-1.897	8.58	-1.471
			3.50	-1.189	5.10	-1.640	6.78	-1.860	8.38	-1.561
N			3.00	-.864	4.50	-1.004	6.38	-1.677	7.98	-1.573
			2.50	-.871	3.50	-.517	5.98	-1.236	7.38	-1.186
			2.00	-.720	2.50	-.399	5.50	-.894	6.50	-.838
							4.50	-.527	5.50	-.560
G							3.50	-.393	4.50	-.447
							2.50	-.330	3.50	-.391
									2.50	-.365

TRAILING-EDGE FLAP

INBOARD

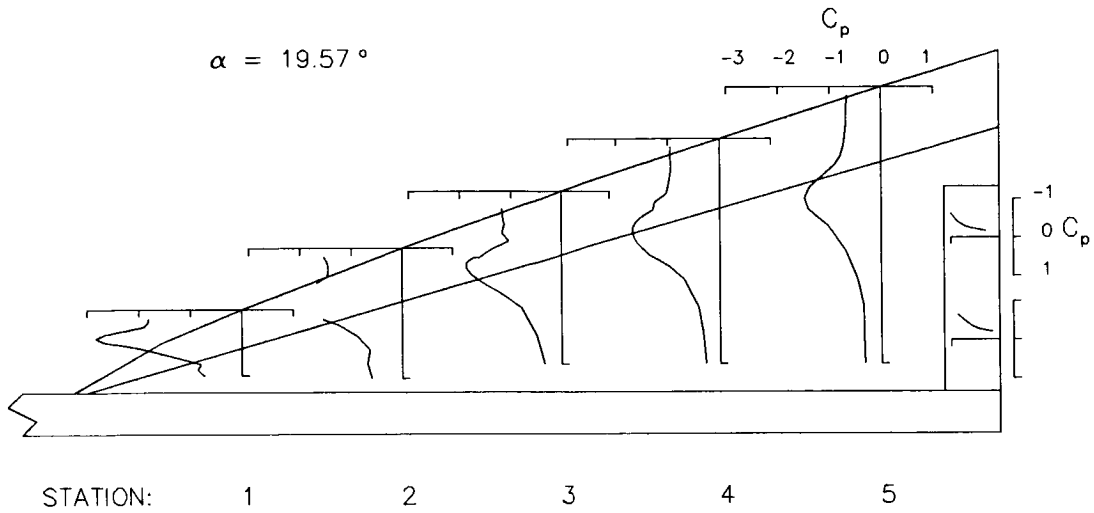
X IN.	CP
45.84	*****
46.09	-.683
46.34	-.519
46.59	-.411
46.84	-.337
47.09	*****
47.34	-.274

OUTBOARD

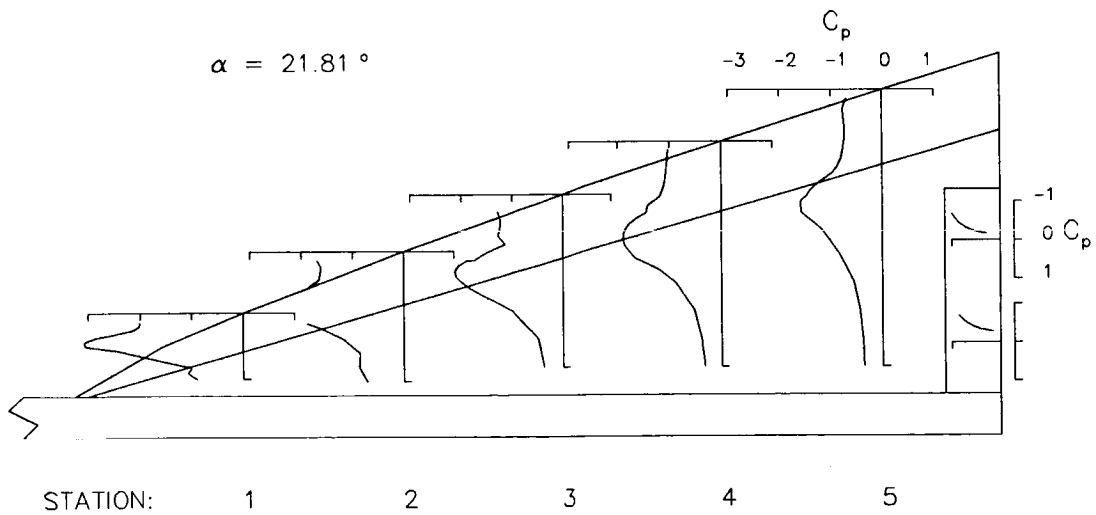
X IN.	CP
45.84	-.681
46.09	-.447
46.34	-.323
46.59	-.246
46.84	-.198
47.09	-.169
47.34	*****

Table V. Continued

$$\delta_{\text{LEVf}} = 0.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEVf}} = 0.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 0 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 23.003 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-2.123	6.32	-1.790	8.34	-1.305	10.23	-1.098	12.04	-.715
	3.99	-2.167	6.09	-1.706	8.05	-1.283	9.90	-1.122	11.68	-.779
E	3.85	-2.260	5.86	-1.715	7.76	-1.285	9.57	-1.119	11.32	-.754
	3.71	-2.572	5.63	-1.741	7.46	-1.318	9.23	-1.136	10.96	-.736
V	3.57	-3.006	5.40	-1.897	7.17	-1.235	8.90	-1.173	10.60	-.752
	3.43	-3.255	5.17	*****	6.88	-1.668	8.57	-1.246	10.24	-.771
F	3.29	-3.279	4.94	*****	6.59	-1.910	8.23	-1.491	9.88	-.807
	3.10	-2.622	4.70	*****	6.30	-2.011	7.99	-1.510	9.58	-.881
	2.90	-2.145	4.50	*****	6.10	-2.189	7.79	-1.713	9.38	-.978
W	2.70	-1.678	4.30	*****	5.90	-2.269	7.59	-1.865	9.18	-1.118
	2.50	-1.125	4.10	-2.108	5.70	-2.236	7.39	-1.955	8.98	-1.271
	2.30	-1.182	3.90	-1.833	5.50	-2.118	7.19	-2.009	8.78	-1.410
I	2.10	-.974	3.70	*****	5.30	-1.962	6.99	-2.014	8.58	-1.508
			3.50	-1.384	5.10	-1.789	6.78	-1.983	8.38	-1.623
			3.00	-1.028	4.50	-1.100	6.38	-1.824	7.98	-1.633
N			2.50	-.967	3.50	-.602	5.98	-1.366	7.38	-1.258
			2.00	-.766	2.50	-.453	5.50	-1.000	6.50	-.916
							4.50	-.598	5.50	-.616
G							3.50	-.429	4.50	-.480
							2.50	-.356	3.50	-.415
									2.50	-.384

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.716
46.09	-.704	46.09	-.471
46.34	-.547	46.34	-.339
46.59	-.437	46.59	-.253
46.84	-.376	46.84	-.207
47.09	*****	47.09	-.175
47.34	-.312	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 0.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$

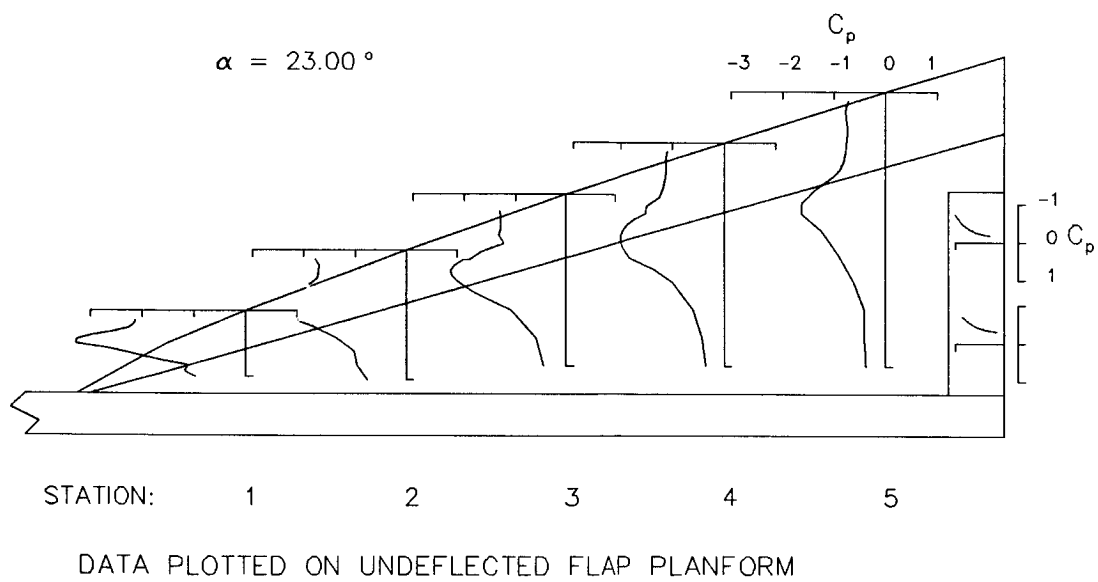


Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= .107 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.020	6.32	-.046	8.34	-.062	10.23	-.059	12.04	-.106
	3.99	-.024	6.09	-.037	8.05	-.039	9.90	-.047	11.68	-.099
E	3.85	-.040	5.86	-.036	7.76	-.034	9.57	-.051	11.32	-.101
	3.71	-.038	5.63	-.037	7.46	-.035	9.23	-.051	10.96	-.095
V	3.57	-.039	5.40	-.039	7.17	-.049	8.90	-.056	10.60	-.110
	3.43	-.038	5.17	*****	6.88	-.035	8.57	-.043	10.24	-.102
F	3.29	-.034	4.94	*****	6.59	-.030	8.23	-.046	9.88	-.110
	3.10	-.046	4.70	*****	6.30	-.024	7.99	-.042	9.58	-.099
	2.90	-.031	4.50	*****	6.10	-.031	7.79	-.048	9.38	-.116
W	2.70	-.035	4.30	*****	5.90	-.035	7.59	-.051	9.18	-.123
	2.50	-.046	4.10	-.056	5.70	-.037	7.39	-.053	8.98	-.130
	2.30	-.067	3.90	-.053	5.50	-.040	7.19	-.056	8.78	-.141
I	2.10	-.042	3.70	*****	5.30	-.043	6.99	-.064	8.58	-.145
			3.50	-.065	5.10	-.045	6.78	-.069	8.38	-.156
			3.00	-.075	4.50	-.046	6.38	-.075	7.98	-.163
N			2.50	-.122	3.50	-.029	5.98	-.066	7.38	-.162
			2.00	-.099	2.50	-.026	5.50	-.062	6.50	-.165
							4.50	-.060	5.50	-.169
G							3.50	-.057	4.50	-.172
							2.50	-.047	3.50	-.175
									2.50	-.178

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.294
46.09	-.312	46.09	-.298
46.34	-.316	46.34	-.303
46.59	-.325	46.59	-.311
46.84	-.330	46.84	-.311
47.09	*****	47.09	-.318
47.34	-.336	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 2.215 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.247	6.32	-.253	8.34	-.229	10.23	-.224	12.04	-.262
	3.99	-.260	6.09	-.274	8.05	-.230	9.90	-.232	11.68	-.277
E	3.85	-.204	5.86	-.262	7.76	-.258	9.57	-.255	11.32	-.290
	3.71	-.070	5.63	-.141	7.46	-.246	9.23	-.259	10.96	-.291
V	3.57	-.053	5.40	-.062	7.17	-.091	8.90	-.210	10.60	-.282
	3.43	-.064	5.17	*****	6.88	-.038	8.57	-.104	10.24	-.192
F	3.29	-.070	4.94	*****	6.59	-.035	8.23	-.051	9.88	-.161
	3.10	-.090	4.70	*****	6.30	-.040	7.99	-.042	9.58	-.105
	2.90	-.064	4.50	*****	6.10	-.052	7.79	-.053	9.38	-.107
W	2.70	-.071	4.30	*****	5.90	-.057	7.59	-.056	9.18	-.112
	2.50	-.073	4.10	-.084	5.70	-.063	7.39	-.064	8.98	-.119
	2.30	-.107	3.90	-.087	5.50	-.068	7.19	-.070	8.78	-.138
I	2.10	-.079	3.70	*****	5.30	-.070	6.99	-.081	8.58	-.144
			3.50	-.097	5.10	-.074	6.78	-.085	8.38	-.158
			3.00	-.106	4.50	-.072	6.38	-.099	7.98	-.172
N			2.50	-.152	3.50	-.058	5.98	-.091	7.38	-.174
			2.00	-.133	2.50	-.053	5.50	-.082	6.50	-.179
							4.50	-.078	5.50	-.185
G							3.50	-.074	4.50	-.187
							2.50	-.068	3.50	-.188
									2.50	-.194

TRAILING-EDGE FLAP

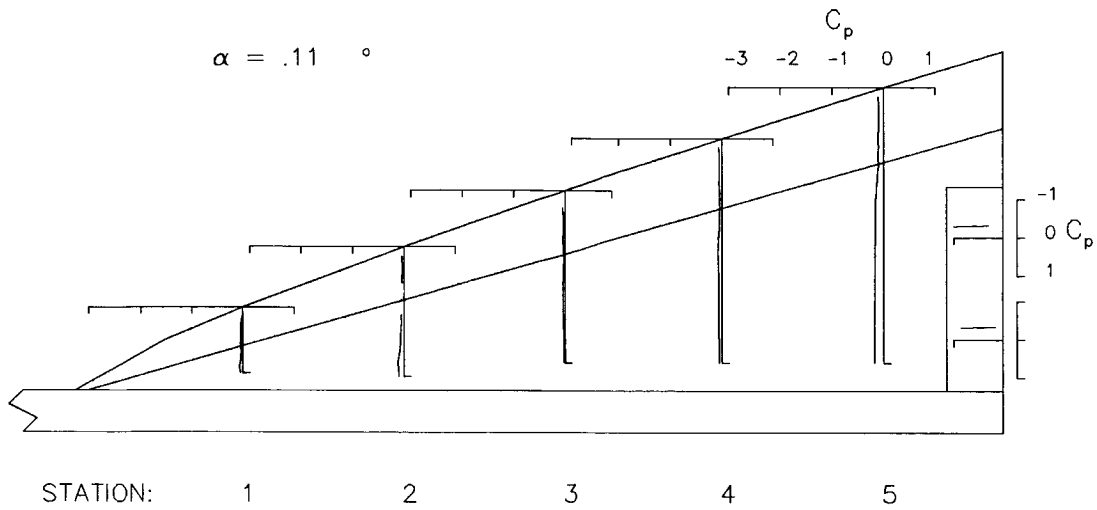
INBOARD

OUTBOARD

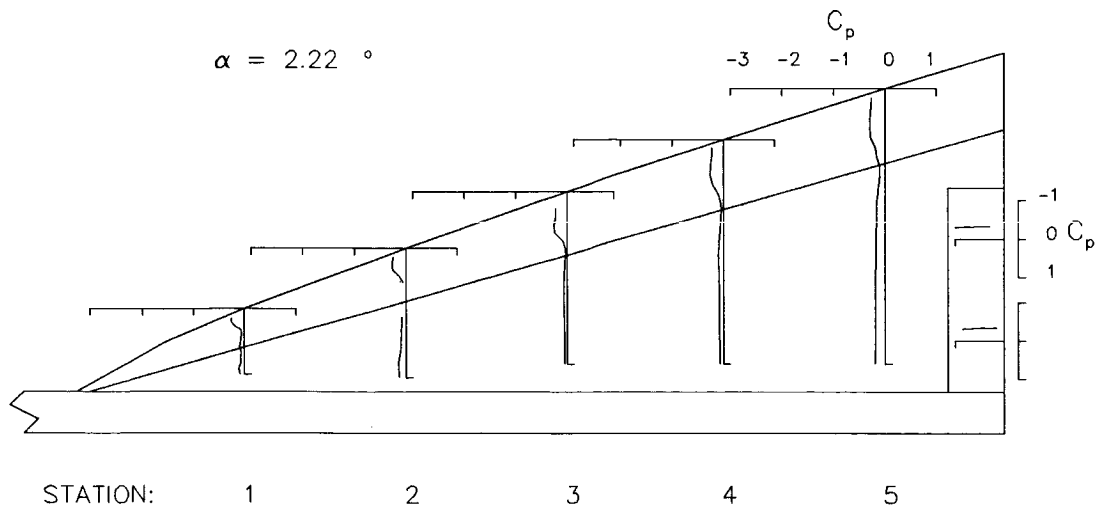
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.306
46.09	-.310	46.09	-.307
46.34	-.320	46.34	-.315
46.59	-.330	46.59	-.322
46.84	-.338	46.84	-.328
47.09	*****	47.09	-.331
47.34	-.336	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 0.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = 0.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 4.192 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.413	6.32	-.374	8.34	-.325	10.23	-.293	12.04	-.310
	3.99	-.472	6.09	-.385	8.05	-.339	9.90	-.325	11.68	-.344
E	3.85	-.647	5.86	-.508	7.76	-.358	9.57	-.334	11.32	-.354
	3.71	-.481	5.63	-.583	7.46	-.525	9.23	-.421	10.96	-.366
V	3.57	-.158	5.40	-.428	7.17	-.287	8.90	-.536	10.60	-.497
	3.43	-.059	5.17	*****	6.88	-.331	8.57	-.440	10.24	-.525
F	3.29	-.070	4.94	*****	6.59	-.115	8.23	-.291	9.88	-.465
	3.10	-.113	4.70	*****	6.30	-.043	7.99	-.155	9.58	-.314
	2.90	-.097	4.50	*****	6.10	-.039	7.79	-.095	9.38	-.238
W	2.70	-.104	4.30	*****	5.90	-.049	7.59	-.057	9.18	-.184
	2.50	-.096	4.10	-.106	5.70	-.063	7.39	-.049	8.98	-.123
	2.30	-.146	3.90	-.113	5.50	-.075	7.19	-.053	8.78	-.115
I	2.10	-.122	3.70	*****	5.30	-.083	6.99	-.071	8.58	-.110
			3.50	-.127	5.10	-.087	6.78	-.079	8.38	-.124
			3.00	-.140	4.50	-.095	6.38	-.102	7.98	-.151
N			2.50	-.187	3.50	-.081	5.98	-.101	7.38	-.168
			2.00	-.163	2.50	-.078	5.50	-.096	6.50	-.181
							4.50	-.098	5.50	-.191
G							3.50	-.094	4.50	-.195
							2.50	-.085	3.50	-.200
									2.50	-.203

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.323
46.34	-.328
46.59	-.336
46.84	-.342
47.09	*****
47.34	-.347

OUTBOARD

X IN.	CP
45.84	-.309
46.09	-.309
46.34	-.318
46.59	-.326
46.84	-.329
47.09	-.332
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 6.326 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.595	6.32	-.523	8.34	-.449	10.23	-.395	12.04	-.394
	3.99	-.641	6.09	-.532	8.05	-.467	9.90	-.434	11.68	-.428
E	3.85	-.897	5.86	-.572	7.76	-.467	9.57	-.434	11.32	-.452
	3.71	-.921	5.63	-.840	7.46	-.560	9.23	-.448	10.96	-.445
V	3.57	-.613	5.40	-.853	7.17	-.470	8.90	-.600	10.60	-.479
	3.43	-.282	5.17	*****	6.88	-.739	8.57	-.731	10.24	-.631
F	3.29	-.146	4.94	*****	6.59	-.483	8.23	-.687	9.88	-.736
	3.10	-.141	4.70	*****	6.30	-.251	7.99	-.493	9.58	-.660
	2.90	-.136	4.50	*****	6.10	-.156	7.79	-.385	9.38	-.598
W	2.70	-.149	4.30	*****	5.90	-.104	7.59	-.274	9.18	-.494
	2.50	-.136	4.10	-.127	5.70	-.084	7.39	-.178	8.98	-.379
	2.30	-.197	3.90	-.135	5.50	-.085	7.19	-.118	8.78	-.304
I	2.10	-.169	3.70	*****	5.30	-.089	6.99	-.098	8.58	-.217
			3.50	-.157	5.10	-.097	6.78	-.091	8.38	-.175
			3.00	-.172	4.50	-.114	6.38	-.095	7.98	-.135
N			2.50	-.229	3.50	-.110	5.98	-.107	7.38	-.160
			2.00	-.197	2.50	-.104	5.50	-.110	6.50	-.182
							4.50	-.113	5.50	-.200
G							3.50	-.114	4.50	-.207
							2.50	-.105	3.50	-.213
									2.50	-.219

TRAILING-EDGE FLAP

INBOARD

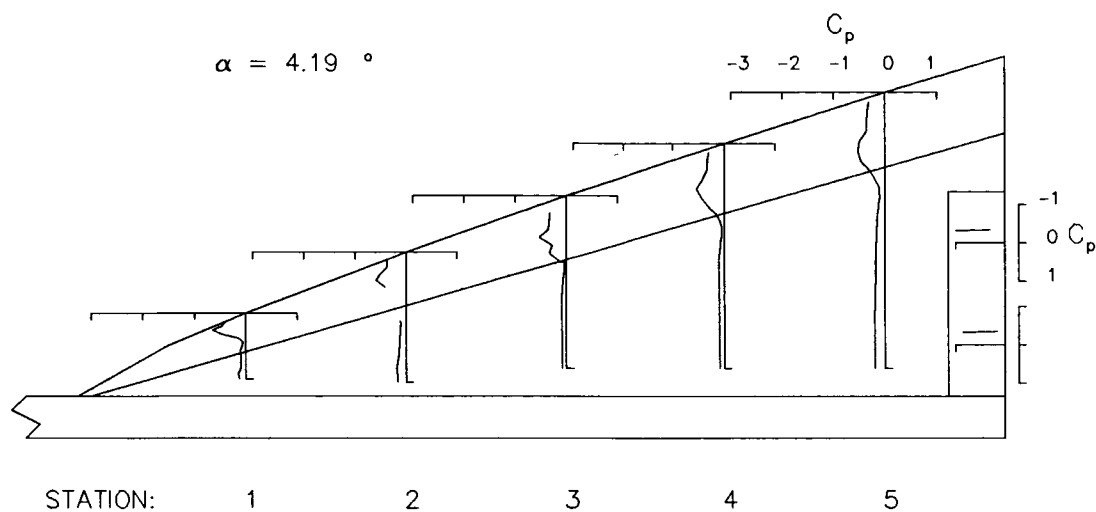
X IN.	CP
45.84	*****
46.09	-.332
46.34	-.345
46.59	-.351
46.84	-.355
47.09	*****
47.34	-.348

OUTBOARD

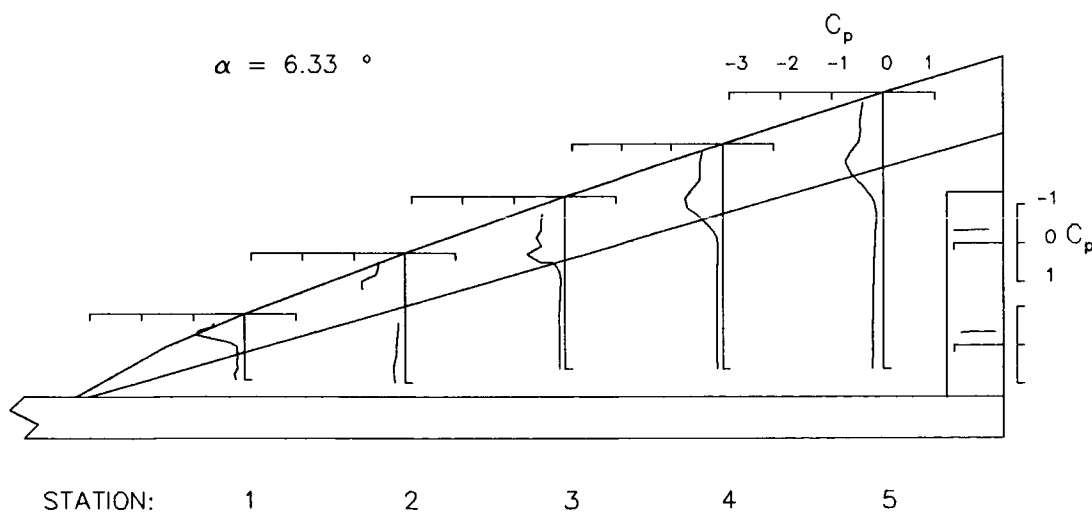
X IN.	CP
45.84	-.324
46.09	-.329
46.34	-.335
46.59	-.343
46.84	-.349
47.09	-.350
47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 0.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEVF}} = 0.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 0 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 8.453 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.788	6.32	-.669	8.34	-.566	10.23	-.499	12.04	-.456
	3.99	-.818	6.09	-.675	8.05	-.588	9.90	-.536	11.68	-.498
E	3.85	-1.009	5.86	-.689	7.76	-.581	9.57	-.544	11.32	-.528
	3.71	-1.294	5.63	-.844	7.46	-.606	9.23	-.547	10.96	-.514
V	3.57	-1.132	5.40	-1.132	7.17	-.561	8.90	-.596	10.60	-.528
	3.43	-.732	5.17	*****	6.88	-1.012	8.57	-.798	10.24	-.581
F	3.29	-.404	4.94	*****	6.59	-.876	8.23	-.936	9.88	-.806
	3.10	-.246	4.70	*****	6.30	-.594	7.99	-.805	9.58	-.843
	2.90	-.192	4.50	*****	6.10	-.445	7.79	-.742	9.38	-.862
W	2.70	-.196	4.30	*****	5.90	-.312	7.59	-.597	9.18	-.819
	2.50	-.192	4.10	-.177	5.70	-.223	7.39	-.468	8.98	-.694
	2.30	-.251	3.90	-.172	5.50	-.165	7.19	-.364	8.78	-.601
I	2.10	-.222	3.70	*****	5.30	-.142	6.99	-.264	8.58	-.488
			3.50	-.188	5.10	-.123	6.78	-.196	8.38	-.382
			3.00	-.206	4.50	-.134	6.38	-.133	7.98	-.231
N			2.50	-.272	3.50	-.136	5.98	-.124	7.38	-.179
			2.00	-.241	2.50	-.135	5.50	-.123	6.50	-.185
							4.50	-.132	5.50	-.210
G							3.50	-.135	4.50	-.221
							2.50	-.128	3.50	-.230
									2.50	-.236

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.353
46.09	-.341	46.09	-.359
46.34	-.349	46.34	-.365
46.59	-.353	46.59	-.377
46.84	-.360	46.84	-.380
47.09	*****	47.09	-.385
47.34	-.347	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 0 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 10.022 DEG.

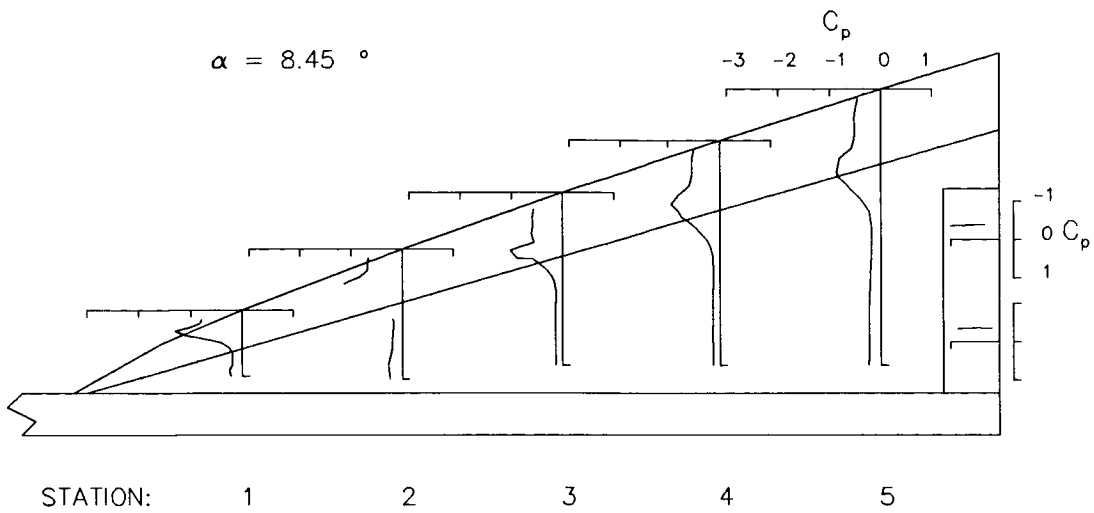
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.935	6.32	-.785	8.34	-.657	10.23	-.565	12.04	-.492
	3.99	-.952	6.09	-.789	8.05	-.685	9.90	-.612	11.68	-.539
E	3.85	-1.093	5.86	-.807	7.76	-.668	9.57	-.612	11.32	-.565
	3.71	-1.482	5.63	-.845	7.46	-.686	9.23	-.616	10.96	-.547
V	3.57	-1.470	5.40	-1.198	7.17	-.602	8.90	-.630	10.60	-.559
	3.43	-1.113	5.17	*****	6.88	-1.079	8.57	-.802	10.24	-.580
F	3.29	-.691	4.94	*****	6.59	-1.105	8.23	-1.023	9.88	-.761
	3.10	-.406	4.70	*****	6.30	-.883	7.99	-.947	9.58	-.876
	2.90	-.276	4.50	*****	6.10	-.727	7.79	-.958	9.38	-.961
W	2.70	-.247	4.30	*****	5.90	-.525	7.59	-.849	9.18	-.969
	2.50	-.241	4.10	-.249	5.70	-.416	7.39	-.717	8.98	-.912
	2.30	-.297	3.90	-.226	5.50	-.293	7.19	-.571	8.78	-.812
I	2.10	-.263	3.70	*****	5.30	-.224	6.99	-.450	8.58	-.712
			3.50	-.217	5.10	-.179	6.78	-.335	8.38	-.591
			3.00	-.236	4.50	-.157	6.38	-.216	7.98	-.373
N			2.50	-.305	3.50	-.158	5.98	-.164	7.38	-.236
			2.00	-.274	2.50	-.158	5.50	-.145	6.50	-.204
							4.50	-.148	5.50	-.217
G							3.50	-.153	4.50	-.231
							2.50	-.146	3.50	-.244
									2.50	-.250

TRAILING-EDGE FLAP

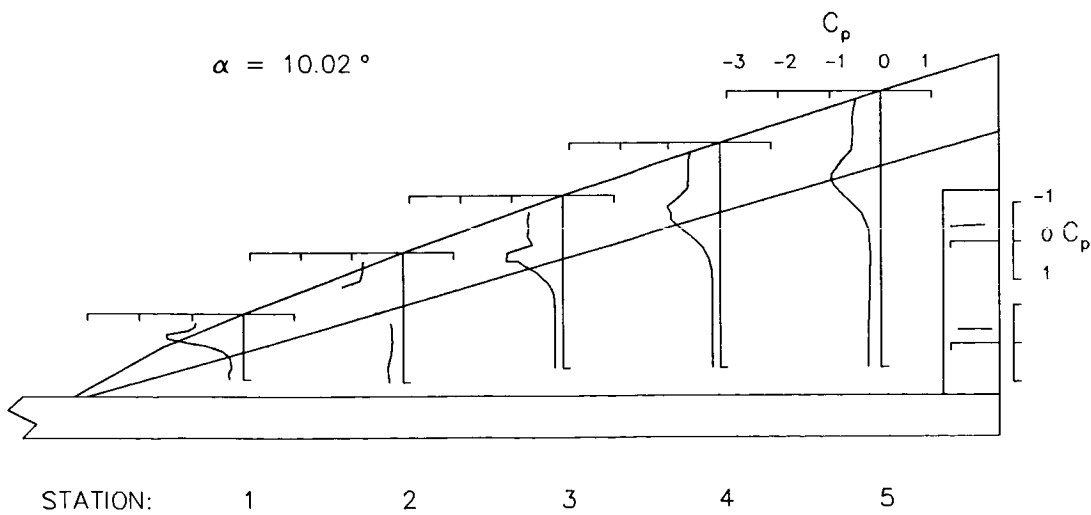
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.385
46.09	-.359	46.09	-.391
46.34	-.370	46.34	-.402
46.59	-.368	46.59	-.409
46.84	-.371	46.84	-.417
47.09	*****	47.09	-.417
47.34	-.360	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 0.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEVF}} = 0.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 11.037 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.025	6.32	-.855	8.34	-.718	10.23	-.609	12.04	-.507
	3.99	-1.037	6.09	-.865	8.05	-.754	9.90	-.658	11.68	-.566
E	3.85	-1.125	5.86	-.875	7.76	-.724	9.57	-.654	11.32	-.584
	3.71	-1.555	5.63	-.881	7.46	-.739	9.23	-.653	10.96	-.560
V	3.57	-1.673	5.40	-1.235	7.17	-.639	8.90	-.669	10.60	-.575
	3.43	-1.862	5.17	*****	6.88	-1.097	8.57	-.791	10.24	-.591
F	3.29	-.919	4.94	*****	6.59	-1.210	8.23	-1.054	9.88	-.748
	3.10	-.538	4.70	*****	6.30	-1.041	7.99	-1.018	9.58	-.877
	2.90	-.351	4.50	*****	6.10	-.907	7.79	-1.060	9.38	-.989
W	2.70	-.295	4.30	*****	5.90	-.708	7.59	-1.001	9.18	-1.024
	2.50	-.271	4.10	-.326	5.70	-.558	7.39	-.857	8.98	-1.010
	2.30	-.332	3.90	*****	5.50	-.407	7.19	-.731	8.78	-.941
I	2.10	-.296	3.70	*****	5.30	-.313	6.99	-.600	8.58	-.842
			3.50	-.247	5.10	-.244	6.78	-.460	8.38	-.734
			3.00	-.257	4.50	-.180	6.38	-.295	8.38	-.493
N			2.50	-.327	3.50	-.174	5.58	-.203	7.38	-.290
			2.00	-.299	2.50	-.176	5.38	-.169	6.50	-.227
							5.18	-.163	5.50	-.230
G							4.50	-.167	4.50	-.245
							3.50	-.167	3.50	-.253
							2.50	-.159	2.50	-.262

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.416
46.34	-.401
46.59	-.418
46.84	-.411
47.09	*****
47.34	-.402

OUTBOARD

X IN.	CP
45.84	-.411
46.09	-.419
46.34	-.431
46.59	-.441
46.84	-.442
47.09	-.438
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 12.082 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.111	6.32	-.936	8.34	-.776	10.23	-.655	12.04	-.536
	3.99	-1.117	6.09	-.942	8.05	-.814	9.90	-.708	11.68	-.593
E	3.85	-1.186	5.86	-.958	7.76	-.782	9.57	-.696	11.32	-.608
	3.71	-1.604	5.63	-.949	7.46	-.794	9.23	-.692	10.96	-.589
V	3.57	-1.831	5.40	-1.255	7.17	-.685	8.90	-.710	10.60	-.597
	3.43	-1.603	5.17	*****	6.88	-1.127	8.57	-.804	10.24	-.613
F	3.29	-1.155	4.94	*****	6.59	-1.298	8.23	-1.081	9.88	-.734
	3.10	-.711	4.70	*****	6.30	-1.191	7.99	-1.067	9.58	-.880
	2.90	-.458	4.50	*****	6.10	-1.092	7.79	-1.145	9.38	-1.007
W	2.70	-.351	4.30	*****	5.90	-.885	7.59	-1.116	9.18	-1.074
	2.50	-.309	4.10	-.436	5.70	-.719	7.39	-1.013	8.98	-1.085
	2.30	-.374	3.90	*****	5.50	-.560	7.19	-.884	8.78	-1.053
I	2.10	-.335	3.70	*****	5.30	-.420	6.99	-.749	8.58	-.974
			3.50	-.283	5.10	-.314	6.78	-.610	8.38	-.874
			3.00	-.281	4.50	-.209	6.38	-.397	8.38	-.632
N			2.50	-.347	3.50	-.195	5.58	-.259	7.38	-.374
			2.00	-.328	2.50	-.196	5.38	-.203	6.50	-.257
							5.18	-.178	5.50	-.247
G							4.50	-.179	4.50	-.258
							3.50	-.169	3.50	-.271
							2.50	-.169	2.50	-.271

TRAILING-EDGE FLAP

INBOARD

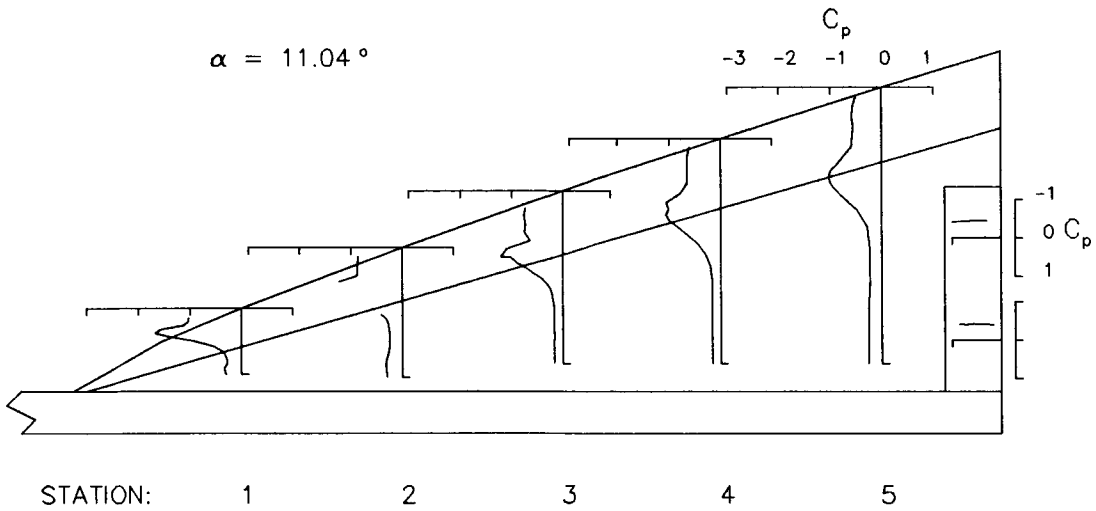
X IN.	CP
45.84	*****
46.09	-.466
46.34	-.470
46.59	-.469
46.84	-.457
47.09	*****
47.34	-.443

OUTBOARD

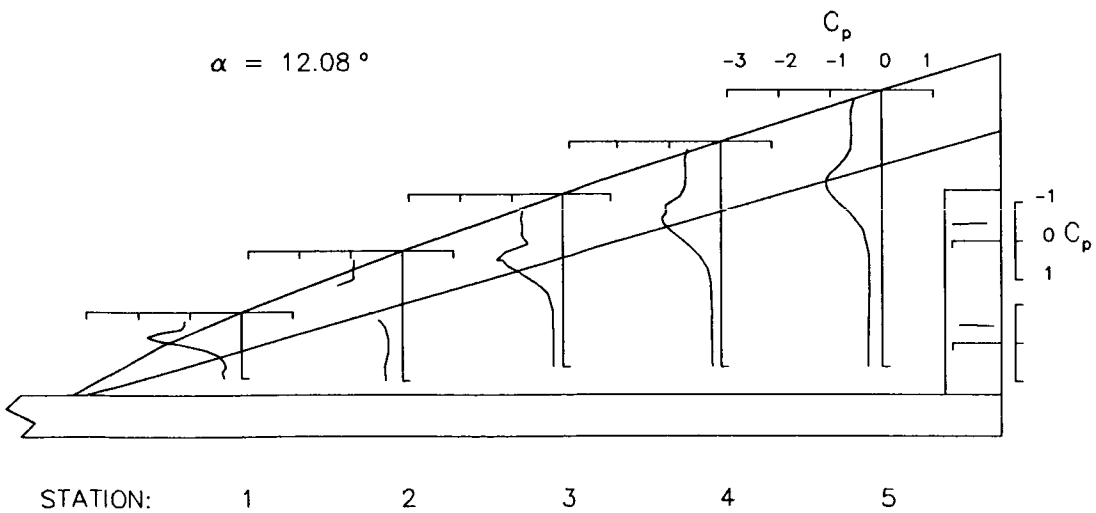
X IN.	CP
45.84	-.426
46.09	-.432
46.34	-.442
46.59	-.456
46.84	-.459
47.09	-.449
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 0.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = 0.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 13.031 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.199	6.32	-1.014	8.34	-.837	10.23	-.699	12.04	-.555
E	3.99	-1.195	6.09	-1.007	8.05	-.858	9.90	-.747	11.68	-.623
	3.85	-1.266	5.86	-1.019	7.76	-.839	9.57	-.731	11.32	-.628
V	3.71	-1.673	5.63	-1.011	7.46	-.849	9.23	-.733	10.96	-.608
	3.57	-1.966	5.40	-1.280	7.17	-.737	8.90	-.752	10.60	-.614
F	3.43	-1.797	5.17	*****	6.88	-1.160	8.57	-.839	10.24	-.636
	3.29	-1.379	4.94	*****	6.59	-1.357	8.23	-1.120	9.88	-.748
W	3.10	-.882	4.70	*****	6.30	-1.302	7.99	-1.107	9.58	-.890
	2.90	-.564	4.50	*****	6.10	-1.228	7.79	-1.213	9.38	-1.013
	2.70	-.421	4.30	*****	5.90	-1.044	7.59	-1.211	9.18	-1.115
	2.50	-.352	4.10	-.549	5.70	-.875	7.39	-1.132	8.98	-1.145
I	2.30	-.415	3.90	-.429	5.50	-.693	7.19	-1.019	8.78	-1.140
	2.10	-.380	3.70	*****	5.30	-.544	6.99	-.893	8.58	-1.074
N			3.50	-.327	5.10	-.419	6.78	-.746	8.38	-1.012
			3.00	-.305	4.50	-.251	6.38	-.505	7.98	-.752
			2.50	-.362	3.50	-.214	5.98	-.323	7.38	-.450
			2.00	-.360	2.50	-.213	5.50	-.241	6.50	-.299
G							4.50	-.195	5.50	-.267
							3.50	-.196	4.50	-.274
							2.50	-.185	3.50	-.278
									2.50	-.281

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.436
46.09	-.547	46.09	-.441
46.34	-.545	46.34	-.451
46.59	-.538	46.59	-.462
46.84	-.512	46.84	-.467
47.09	*****	47.09	-.459
47.34	-.458	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 14.005 DEG.

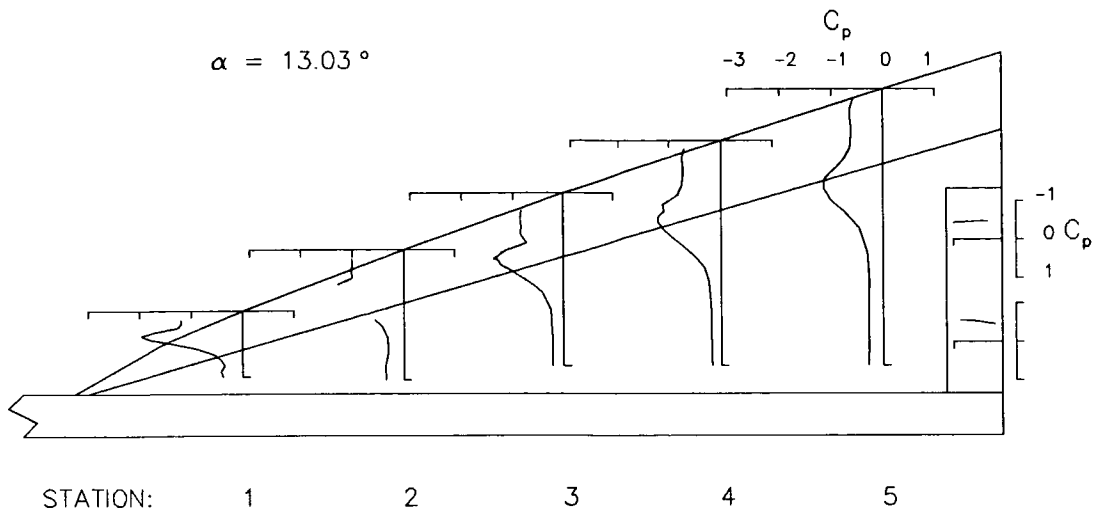
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.279	6.32	-1.084	8.34	-.889	10.23	-.732	12.04	-.579
E	3.99	-1.282	6.09	-1.076	8.05	-.909	9.90	-.790	11.68	-.643
	3.85	-1.347	5.86	-1.080	7.76	-.886	9.57	-.763	11.32	-.642
V	3.71	-1.746	5.63	-1.079	7.46	-.898	9.23	-.762	10.96	-.627
	3.57	-2.080	5.40	-1.339	7.17	-.784	8.90	-.797	10.60	-.636
F	3.43	-1.991	5.17	*****	6.88	-1.223	8.57	-.869	10.24	-.657
	3.29	-1.591	4.94	*****	6.59	-1.423	8.23	-1.155	9.88	-.754
W	3.10	-1.069	4.70	*****	6.30	-1.408	7.99	-1.151	9.58	-.900
	2.90	-.694	4.50	*****	6.10	-1.370	7.79	-1.278	9.38	-1.034
	2.70	-.507	4.30	*****	5.90	-1.201	7.59	-1.301	9.18	-1.142
	2.50	-.400	4.10	-.667	5.70	-1.024	7.39	-1.240	8.98	-1.191
I	2.30	-.457	3.90	-.525	5.50	-.832	7.19	-1.149	8.78	-1.211
	2.10	-.422	3.70	*****	5.30	-.666	6.99	-1.015	8.58	-1.166
N			3.50	-.380	5.10	-.518	6.78	-.865	8.38	-1.109
			3.00	-.341	4.50	-.295	6.38	-.620	7.98	-.869
			2.50	-.394	3.50	-.241	5.98	-.402	7.38	-.527
			2.00	-.381	2.50	-.231	5.50	-.288	6.50	-.344
G							4.50	-.222	5.50	-.284
							3.50	-.213	4.50	-.284
							2.50	-.197	3.50	-.290
									2.50	-.290

TRAILING-EDGE FLAP

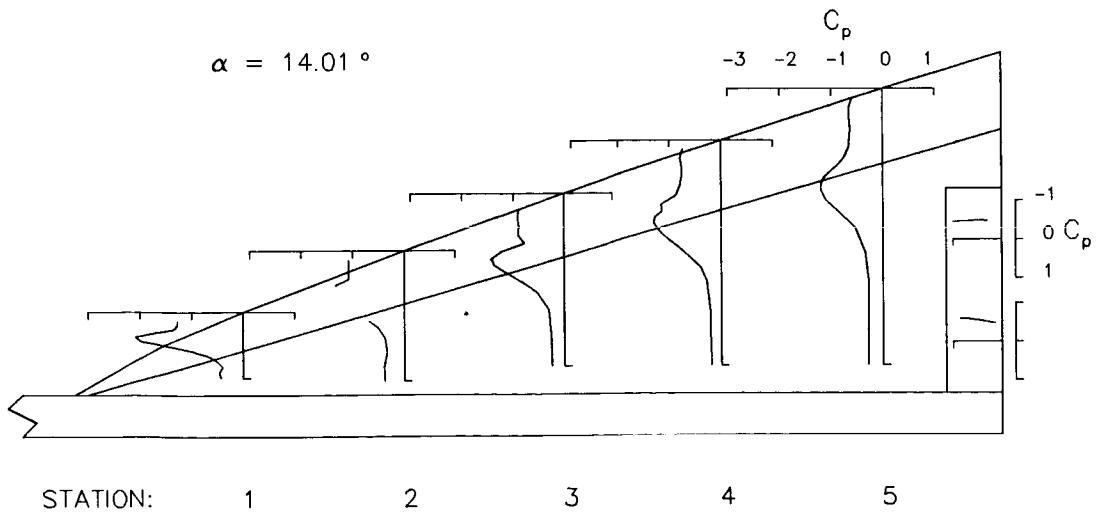
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.450
46.09	-.588	46.09	-.462
46.34	-.585	46.34	-.468
46.59	-.567	46.59	-.484
46.84	-.540	46.84	-.490
47.09	*****	47.09	-.475
47.34	-.478	47.34	*****

Table V. Continued

$$\delta_{\text{LEVf}} = 0.0^\circ \quad \delta_{\text{TEf}} = 20.0^\circ$$



$$\delta_{\text{LEVf}} = 0.0^\circ \quad \delta_{\text{TEf}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 15.005 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.354	6.32	-1.165	8.34	-.943	10.23	-.776	12.04	-.593
	3.99	-1.369	6.09	-1.143	8.05	-.956	9.90	-.822	11.68	-.659
E	3.85	-1.452	5.86	-1.160	7.76	-.937	9.57	-.799	11.32	-.650
	3.71	-1.830	5.63	-1.150	7.46	-.949	9.23	-.798	10.96	-.635
V	3.57	-2.191	5.40	-1.402	7.17	-.837	8.90	-.832	10.60	-.653
	3.43	-2.177	5.17	*****	6.88	-1.269	8.57	-.927	10.24	-.669
F	3.29	-1.819	4.94	*****	6.59	-1.482	8.23	-1.195	9.88	-.776
	3.10	-1.260	4.70	*****	6.30	-1.490	7.99	-1.196	9.58	-.914
	2.90	-.849	4.50	*****	6.10	-1.489	7.79	-1.341	9.38	-1.050
W	2.70	-.620	4.30	*****	5.90	-1.365	7.59	-1.384	9.18	-1.168
	2.50	-.460	4.10	-.807	5.70	-1.179	7.39	-1.350	8.98	-1.232
	2.30	-.516	3.90	-.627	5.50	-.993	7.19	-1.273	8.78	-1.268
I	2.10	-.469	3.70	*****	5.30	-.803	6.99	-1.148	8.58	-1.244
			3.50	-.438	5.10	-.631	6.78	-1.009	8.38	-1.206
			3.00	-.387	4.50	-.359	6.38	-.736	7.98	-.974
N			2.50	-.429	3.50	-.275	5.98	-.483	7.38	-.614
			2.00	-.416	2.50	-.254	5.50	-.335	6.50	-.396
G							4.50	-.253	5.50	-.307
							3.50	-.228	4.50	-.300
							2.50	-.219	3.50	-.301
									2.50	-.301

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.483
46.09	-.619	46.09	-.485
46.34	-.607	46.34	-.492
46.59	-.590	46.59	-.509
46.84	-.569	46.84	-.527
47.09	*****	47.09	-.507
47.34	-.504	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 15.996 DEG.

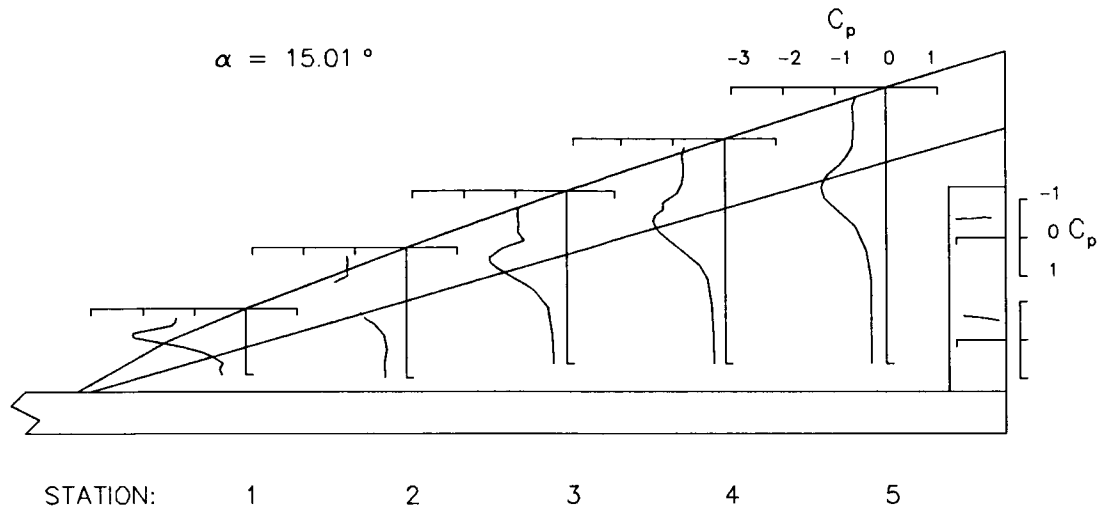
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.448	6.32	-1.235	8.34	-.993	10.23	-.821	12.04	-.618
	3.99	-1.469	6.09	-1.205	8.05	-.995	9.90	-.857	11.68	-.675
E	3.85	-1.563	5.86	-1.220	7.76	-.982	9.57	-.834	11.32	-.657
	3.71	-1.953	5.63	-1.224	7.46	-1.004	9.23	-.832	10.96	-.650
V	3.57	-2.308	5.40	-1.456	7.17	-.877	8.90	-.868	10.60	-.658
	3.43	-2.345	5.17	*****	6.88	-1.306	8.57	-.945	10.24	-.687
F	3.29	-2.047	4.94	*****	6.59	-1.545	8.23	-1.226	9.88	-.782
	3.10	-1.484	4.70	*****	6.30	-1.589	7.99	-1.229	9.58	-.909
	2.90	-1.004	4.50	*****	6.10	-1.610	7.79	-1.396	9.38	-1.045
W	2.70	-.724	4.30	*****	5.90	-1.502	7.59	-1.460	9.18	-1.170
	2.50	-.531	4.10	-.972	5.70	-1.342	7.39	-1.434	8.98	-1.256
	2.30	-.573	3.90	-.748	5.50	-1.138	7.19	-1.379	8.78	-1.298
I	2.10	-.521	3.70	*****	5.30	-.959	6.99	-1.280	8.58	-1.303
			3.50	-.523	5.10	-.771	6.78	-1.155	8.38	-1.292
			3.00	-.431	4.50	-.426	6.38	-.866	7.98	-1.098
N			2.50	-.477	3.50	-.302	5.98	-.576	7.38	-.706
			2.00	-.450	2.50	-.280	5.50	-.406	6.50	-.451
G							4.50	-.285	5.50	-.337
							3.50	-.253	4.50	-.316
							2.50	-.236	3.50	-.317
									2.50	-.313

TRAILING-EDGE FLAP

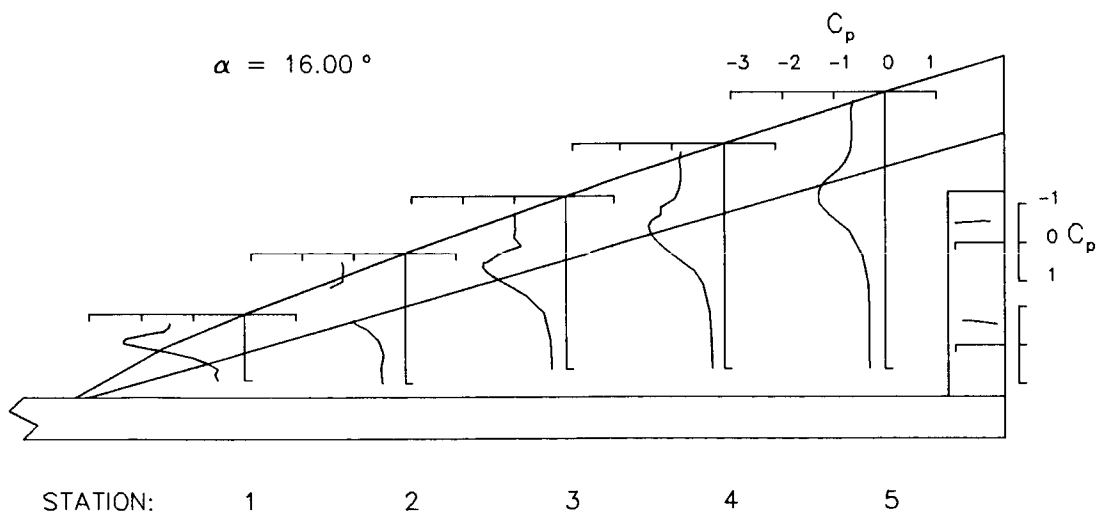
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.503
46.09	-.625	46.09	-.519
46.34	-.629	46.34	-.526
46.59	-.611	46.59	-.549
46.84	-.588	46.84	-.558
47.09	*****	47.09	-.545
47.34	-.537	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 0.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEVF}} = 0.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 19.619 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.805	6.32	-1.517	8.34	-1.199	10.23	-.957	12.04	-.689
	3.99	-1.832	6.09	-1.474	8.05	-1.184	9.90	-.968	11.68	-.699
E	3.85	-1.934	5.86	-1.481	7.76	-1.174	9.57	-.952	11.32	-.713
	3.71	-2.303	5.63	-1.492	7.46	-1.205	9.23	-.962	10.96	-.711
V	3.57	-2.707	5.40	-1.711	7.17	-1.066	8.90	-1.011	10.60	-.729
	3.43	-2.871	5.17	*****	6.88	-1.425	8.57	-1.072	10.24	-.750
F	3.29	-2.690	4.94	*****	6.59	-1.650	8.23	-1.313	9.88	-.816
	3.10	-2.119	4.70	*****	6.30	-1.761	7.99	-1.343	9.58	-.929
	2.90	-1.598	4.50	*****	6.10	-1.898	7.79	-1.528	9.38	-1.045
W	2.70	-1.179	4.30	*****	5.90	-1.883	7.59	-1.641	9.18	-1.184
	2.50	-.806	4.10	-1.566	5.70	-1.810	7.39	-1.702	8.98	-1.312
	2.30	-.856	3.90	-1.262	5.50	-1.657	7.19	-1.738	8.78	-1.422
I	2.10	-.741	3.70	*****	5.30	-1.489	6.99	-1.701	8.58	-1.485
			3.50	-.898	5.10	-1.285	6.78	-1.628	8.38	-1.515
			3.00	-.648	4.50	-.781	6.38	-1.385	7.98	-1.427
N			2.50	-.684	3.50	-.504	5.98	-1.015	7.38	-1.031
			2.00	-.604	2.50	-.359	5.50	-.708	6.50	-.689
							4.50	-.427	5.50	-.473
G							3.50	-.331	4.50	-.403
							2.50	-.291	3.50	-.377
									2.50	-.368

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.666
46.34	-.677
46.59	-.684
46.84	-.703
47.09	*****
47.34	-.682

OUTBOARD

X IN.	CP
45.84	-.658
46.09	-.678
46.34	-.694
46.59	-.712
46.84	-.709
47.09	-.663
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 0 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 21.828 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-2.011	6.32	-1.710	8.34	-1.311	10.23	-1.062	12.04	-.724
	3.99	-2.033	6.09	-1.638	8.05	-1.274	9.90	-1.070	11.68	-.796
E	3.85	-2.140	5.86	-1.654	7.76	-1.267	9.57	-1.087	11.32	-.776
	3.71	-2.477	5.63	-1.680	7.46	-1.288	9.23	-1.109	10.96	-.762
V	3.57	-2.913	5.40	-1.851	7.17	-1.164	8.90	-1.150	10.60	-.772
	3.43	-3.122	5.17	*****	6.88	-1.551	8.57	-1.229	10.24	-.790
F	3.29	-3.027	4.94	*****	6.59	-1.781	8.23	-1.478	9.88	-.832
	3.10	-2.478	4.70	*****	6.30	-1.921	7.99	-1.480	9.58	-.920
	2.90	-1.972	4.50	*****	6.10	-2.103	7.79	-1.676	9.38	-1.026
W	2.70	-1.499	4.30	*****	5.90	-2.155	7.59	-1.820	9.18	-1.177
	2.50	-.996	4.10	-1.923	5.70	-2.103	7.39	-1.908	8.98	-1.310
	2.30	-1.059	3.90	-1.648	5.50	-1.991	7.19	-1.949	8.78	-1.435
I	2.10	-.892	3.70	*****	5.30	-1.847	6.99	-1.931	8.58	-1.521
			3.50	-1.194	5.10	-1.656	6.78	-1.884	8.38	-1.604
			3.00	-.880	4.50	-1.019	6.38	-1.707	7.98	-1.584
N			2.50	-.878	3.50	-.527	5.98	-1.266	7.38	-1.198
			2.00	-.723	2.50	-.408	5.50	-.909	6.50	-.848
							4.50	-.551	5.50	-.568
G							3.50	-.407	4.50	-.463
							2.50	-.344	3.50	-.421
									2.50	-.409

TRAILING-EDGE FLAP

INBOARD

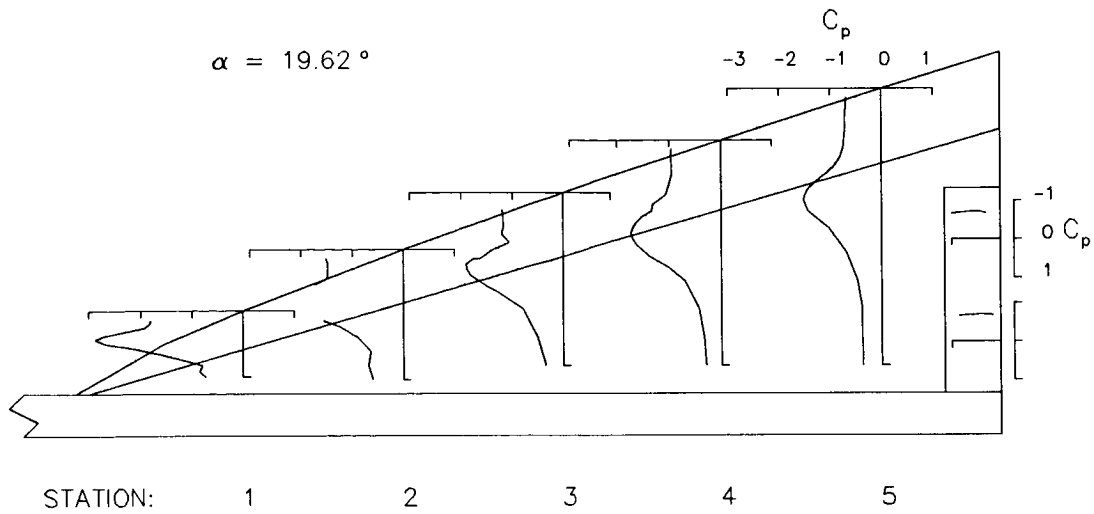
X IN.	CP
45.84	*****
46.09	-.673
46.34	-.693
46.59	-.706
46.84	-.733
47.09	*****
47.34	-.718

OUTBOARD

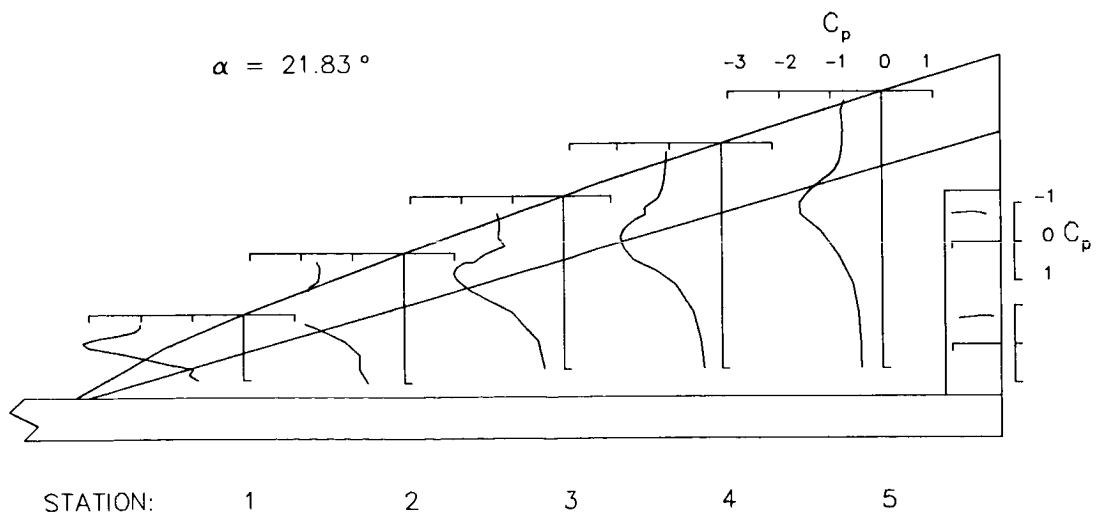
X IN.	CP
45.84	-.734
46.09	-.749
46.34	-.765
46.59	-.775
46.84	-.757
47.09	-.705
47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 0.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEVF}} = 0.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 0 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 23.061 DEG.

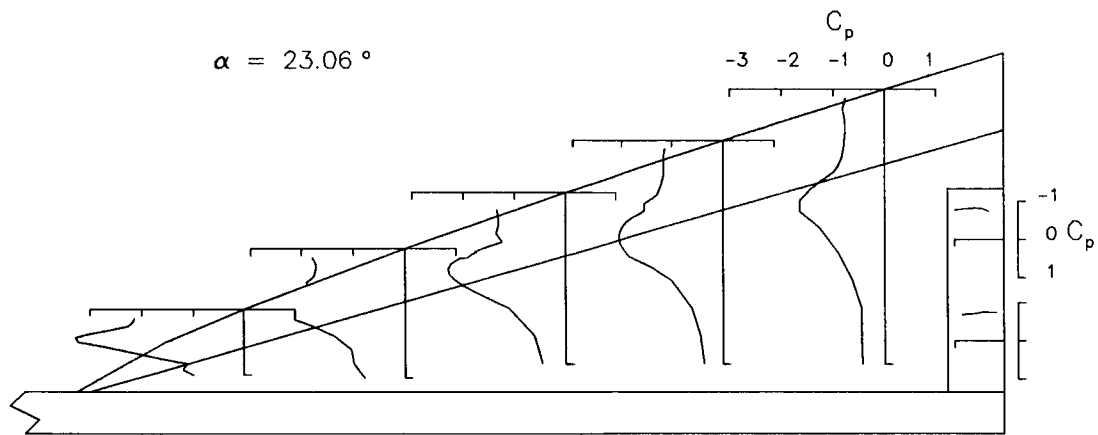
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-2.136	6.32	-1.805	8.34	-1.335	10.23	-1.131	12.04	-.753
	3.99	-2.172	6.09	-1.735	8.05	-1.302	9.90	-1.159	11.68	-.812
E	3.85	-2.262	5.86	-1.736	7.76	-1.304	9.57	-1.157	11.32	-.782
	3.71	-2.602	5.63	-1.771	7.46	-1.342	9.23	-1.165	10.96	-.763
V	3.57	-3.016	5.40	-1.919	7.17	-1.240	8.90	-1.212	10.60	-.780
	3.43	-3.274	5.17	*****	6.88	-1.696	8.57	-1.288	10.24	-.801
F	3.29	-3.244	4.94	*****	6.59	-1.938	8.23	-1.547	9.88	-.841
	3.10	-2.684	4.70	*****	6.30	-2.045	7.99	-1.549	9.58	-.917
	2.90	-2.172	4.50	*****	6.10	-2.228	7.79	-1.751	9.38	-.999
W	2.70	-1.675	4.30	*****	5.90	-2.288	7.59	-1.910	9.18	-1.156
	2.50	-1.125	4.10	-2.140	5.70	-2.267	7.39	-2.000	8.98	-1.304
	2.30	-1.193	3.90	-1.857	5.50	-2.153	7.19	-2.053	8.78	-1.439
I	2.10	-.989	3.70	*****	5.30	-1.997	6.99	-2.066	8.58	-1.537
			3.50	-1.372	5.10	-1.797	6.78	-2.033	8.38	-1.639
			3.00	-1.044	4.50	-1.117	6.38	-1.866	7.98	-1.644
N			2.50	-.988	3.50	-.621	5.98	-1.408	7.38	-1.267
			2.00	-.782	2.50	-.467	5.50	-1.012	6.50	-.908
							5.00	-.619	5.50	-.626
G							4.50	-.449	4.50	-.507
							3.50	-.377	3.50	-.455
							2.50		2.50	-.432

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.774
46.09	-.679	46.09	-.788
46.34	-.697	46.34	-.805
46.59	-.713	46.59	-.815
46.84	-.751	46.84	-.797
47.09	*****	47.09	-.721
47.34	-.734	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 0.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



STATION: 1 2 3 4 5

DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= -.106 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.073	6.32	.065	8.34	.060	10.23	.058	12.04	.048
	3.99	.071	6.09	.061	8.05	.052	9.90	.046	11.68	.022
E	3.85	.042	5.86	.043	7.76	.043	9.57	.032	11.32	.005
	3.71	.030	5.63	.028	7.46	.024	9.23	.019	10.96	-.003
V	3.57	.018	5.40	.010	7.17	.007	8.90	-.001	10.60	-.027
	3.43	.003	5.17	*****	6.88	-.005	8.57	-.006	10.24	-.044
F	3.29	-.011	4.94	*****	6.59	-.035	8.23	-.034	9.88	-.073
	3.10	-.101	4.70	*****	6.30	-.095	7.99	-.085	9.58	-.103
	2.90	-.040	4.50	*****	6.10	-.046	7.79	-.061	9.38	-.095
W	2.70	-.028	4.30	*****	5.90	-.037	7.59	-.052	9.18	-.091
	2.50	-.069	4.10	-.051	5.70	-.034	7.39	-.047	8.98	-.091
	2.30	-.047	3.90	-.049	5.50	-.036	7.19	-.043	8.78	-.095
I	2.10	-.029	3.70	*****	5.30	-.033	6.99	-.046	8.58	-.094
			3.50	-.055	5.10	-.036	6.78	-.049	8.38	-.099
			3.00	-.060	4.50	-.032	6.38	-.055	7.98	-.103
N			2.50	-.104	3.50	-.017	5.98	-.045	7.38	-.097
			2.00	-.089	2.50	-.009	5.50	-.036	6.50	-.092
							4.50	-.028	5.50	-.094
G							3.50	-.027	4.50	-.096
							2.50	-.018	3.50	-.097
									2.50	-.101

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.232
46.09	-.129	46.09	-.155
46.34	-.072	46.34	-.103
46.59	-.022	46.59	-.060
46.84	.022	46.84	-.019
47.09	*****	47.09	*****
47.34	.110	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 1.932 DEG.

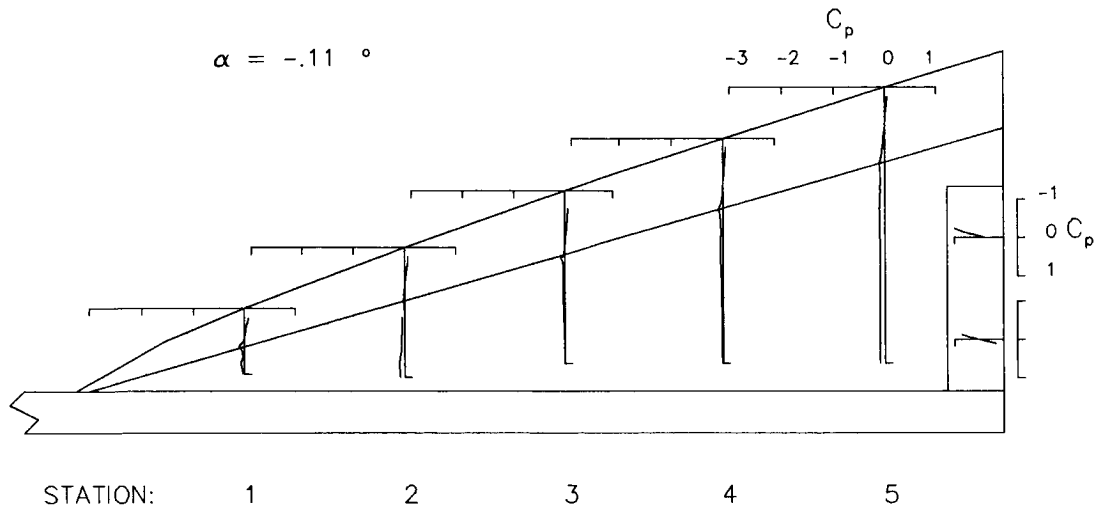
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.025	6.32	.017	8.34	.021	10.23	.021	12.04	.013
	3.99	-.028	6.09	.019	8.05	.014	9.90	.013	11.68	-.006
E	3.85	-.004	5.86	-.001	7.76	.005	9.57	-.007	11.32	-.026
	3.71	-.018	5.63	-.021	7.46	-.016	9.23	-.021	10.96	-.032
V	3.57	-.032	5.40	-.035	7.17	-.034	8.90	-.040	10.60	-.058
	3.43	-.045	5.17	*****	6.88	-.050	8.57	-.047	10.24	-.078
F	3.29	-.062	4.94	*****	6.59	-.084	8.23	-.084	9.88	-.113
	3.10	-.170	4.70	*****	6.30	-.149	7.99	-.138	9.58	-.148
	2.90	-.088	4.50	*****	6.10	-.092	7.79	-.106	9.38	-.131
W	2.70	-.073	4.30	*****	5.90	-.080	7.59	-.093	9.18	-.121
	2.50	-.103	4.10	-.090	5.70	-.074	7.39	-.081	8.98	-.118
	2.30	-.082	3.90	-.085	5.50	-.071	7.19	-.077	8.78	-.121
I	2.10	-.068	3.70	*****	5.30	-.071	6.99	-.081	8.58	-.120
			3.50	-.090	5.10	-.068	6.78	-.079	8.38	-.124
			3.00	-.093	4.50	-.061	6.38	-.082	7.98	-.124
N			2.50	-.130	3.50	-.040	5.98	-.070	7.38	-.113
			2.00	-.120	2.50	-.031	5.50	-.058	6.50	-.106
							4.50	-.048	5.50	-.105
G							3.50	-.044	4.50	-.105
							2.50	-.034	3.50	-.107
									2.50	-.108

TRAILING-EDGE FLAP

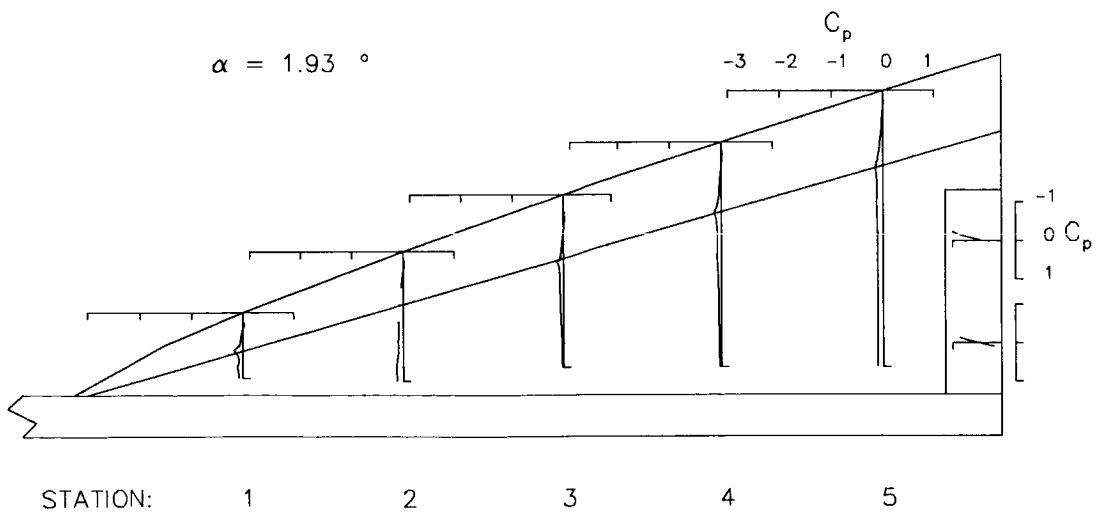
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.229
46.09	-.132	46.09	-.152
46.34	-.075	46.34	-.103
46.59	-.027	46.59	-.058
46.84	.017	46.84	-.018
47.09	*****	47.09	*****
47.34	.098	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 30 DEG.

TEFL DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 3.944 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.042	6.32	-.053	8.34	-.050	10.23	-.043	12.04	-.047
	3.99	-.027	6.09	-.050	8.05	-.041	9.90	-.039	11.68	-.052
E	3.85	-.059	5.86	-.053	7.76	-.048	9.57	-.055	11.32	-.069
	3.71	-.070	5.63	-.070	7.46	-.065	9.23	-.067	10.96	-.071
V	3.57	-.085	5.40	-.086	7.17	-.083	8.90	-.087	10.60	-.101
	3.43	-.099	5.17	*****	6.88	-.100	8.57	-.093	10.24	-.120
F	3.29	-.117	4.94	*****	6.59	-.138	8.23	-.135	9.88	-.160
	3.10	-.236	4.70	*****	6.30	-.205	7.99	-.199	9.58	-.201
	2.90	-.138	4.50	*****	6.10	-.143	7.79	-.155	9.38	-.171
W	2.70	-.115	4.30	*****	5.90	-.122	7.59	-.133	9.18	-.157
	2.50	-.135	4.10	-.131	5.70	-.110	7.39	-.121	8.98	-.149
	2.30	-.117	3.90	-.122	5.50	-.107	7.19	-.112	8.78	-.150
I	2.10	-.102	3.70	*****	5.30	-.104	6.99	-.115	8.58	-.147
			3.50	-.122	5.10	-.102	6.78	-.111	8.38	-.150
			3.00	-.122	4.50	-.085	6.38	-.110	7.98	-.145
N			2.50	-.153	3.50	-.061	5.98	-.094	7.38	-.130
			2.00	-.145	2.50	-.053	5.50	-.079	6.50	-.120
							4.50	-.066	5.50	-.114
G							3.50	-.059	4.50	-.114
							2.50	-.049	3.50	-.115
									2.50	-.113

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.219
46.09	-.131	46.09	-.150
46.34	-.075	46.34	-.096
46.59	-.026	46.59	-.053
46.84	.019	46.84	-.015
47.09	*****	47.09	*****
47.34	.096	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 30 DEG.

TEFL DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 5.930 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.122	6.32	-.298	8.34	-.254	10.23	-.230	12.04	-.198
	3.99	-.121	6.09	-.121	8.05	-.234	9.90	-.216	11.68	-.190
E	3.85	-.131	5.86	-.098	7.76	-.116	9.57	-.158	11.32	-.150
	3.71	-.126	5.63	-.119	7.46	-.108	9.23	-.112	10.96	-.114
V	3.57	-.139	5.40	-.141	7.17	-.126	8.90	-.125	10.60	-.137
	3.43	-.154	5.17	*****	6.88	-.146	8.57	-.136	10.24	-.154
F	3.29	-.173	4.94	*****	6.59	-.190	8.23	-.180	9.88	-.195
	3.10	-.291	4.70	*****	6.30	-.270	7.99	-.253	9.58	-.241
	2.90	-.183	4.50	*****	6.10	-.188	7.79	-.199	9.38	-.210
W	2.70	-.159	4.30	*****	5.90	-.164	7.59	-.171	9.18	-.192
	2.50	-.170	4.10	-.172	5.70	-.150	7.39	-.155	8.98	-.180
	2.30	-.162	3.90	-.164	5.50	-.141	7.19	-.148	8.78	-.180
I	2.10	-.137	3.70	*****	5.30	-.137	6.99	-.146	8.58	-.173
			3.50	-.157	5.10	-.135	6.78	-.140	8.38	-.172
			3.00	-.156	4.50	-.112	6.38	-.136	7.98	-.167
N			2.50	-.192	3.50	-.093	5.98	-.099	7.38	-.146
			2.00	-.166	2.50	-.074	5.50	-.091	6.50	-.134
							4.50	-.079	5.50	-.127
G							3.50	-.057	4.50	-.122
							2.50	-.057	3.50	-.122
									2.50	-.119

TRAILING-EDGE FLAP

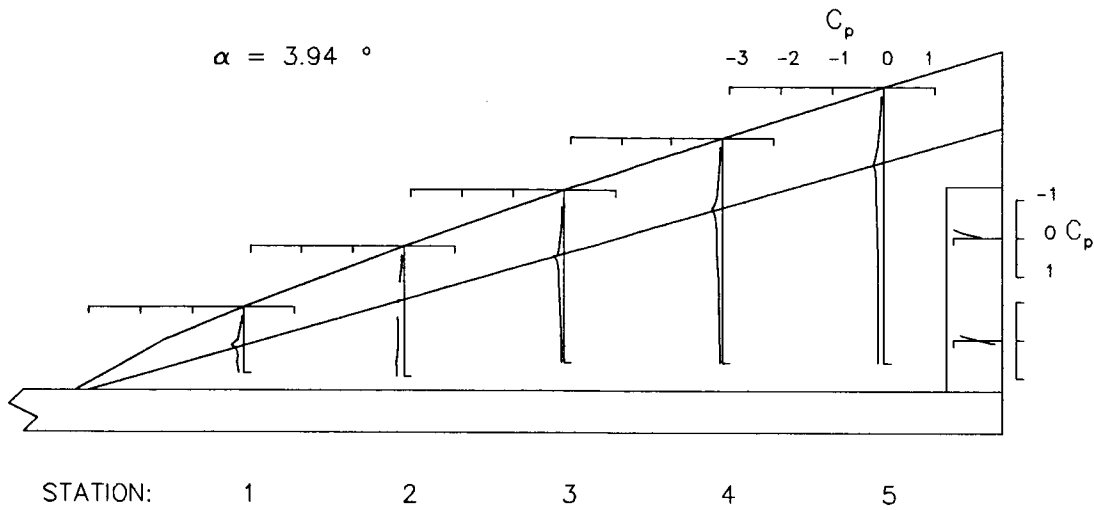
INBOARD

OUTBOARD

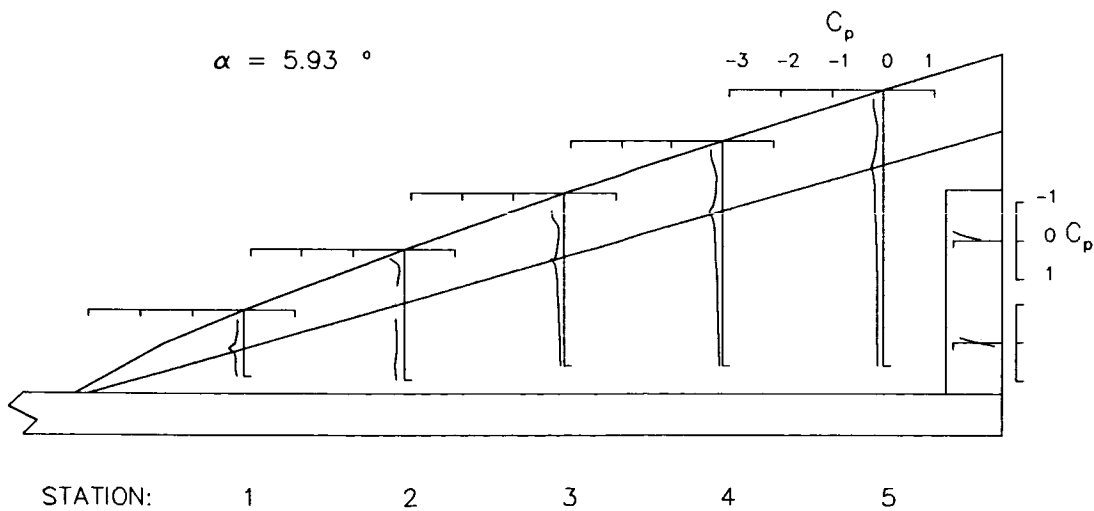
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.247
46.09	-.130	46.09	-.165
46.34	-.072	46.34	-.109
46.59	-.028	46.59	-.064
46.84	.015	46.84	-.023
47.09	*****	47.09	*****
47.34	.090	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 8.065 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.444	6.32	-.453	8.34	-.418	10.23	-.389	12.04	-.341
	3.99	-.476	6.09	-.481	8.05	-.435	9.90	-.395	11.68	-.353
E	3.85	-.451	5.86	-.527	7.76	-.454	9.57	-.414	11.32	-.370
	3.71	-.352	5.63	-.427	7.46	-.459	9.23	-.423	10.96	-.377
V	3.57	-.218	5.40	-.192	7.17	-.332	8.90	-.360	10.60	-.355
	3.43	-.181	5.17	*****	6.88	-.195	8.57	-.230	10.24	-.243
F	3.29	-.195	4.94	*****	6.59	-.162	8.23	-.174	9.88	-.202
	3.10	-.344	4.70	*****	6.30	-.277	7.99	-.223	9.58	-.215
	2.90	-.220	4.50	*****	6.10	-.208	7.79	-.203	9.38	-.214
W	2.70	-.194	4.30	*****	5.90	-.189	7.59	-.186	9.18	-.205
	2.50	-.192	4.10	-.206	5.70	-.176	7.39	-.175	8.98	-.193
	2.30	-.192	3.90	-.198	5.50	-.167	7.19	-.165	8.78	-.195
I	2.10	-.184	3.70	*****	5.30	-.162	6.99	-.166	8.58	-.189
			3.50	-.190	5.10	-.155	6.78	-.159	8.38	-.186
			3.00	-.182	4.50	-.135	6.38	-.157	7.98	-.178
N			2.50	-.213	3.50	-.111	5.98	-.135	7.38	-.160
			2.00	-.207	2.50	-.097	5.50	-.116	6.50	-.145
							4.50	-.100	5.50	-.136
G							3.50	-.095	4.50	-.132
							2.50	-.077	3.50	-.133
									2.50	-.120

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.257
46.09	-.145	46.09	-.172
46.34	-.087	46.34	-.112
46.59	-.038	46.59	-.069
46.84	-.008	46.84	-.025
47.09	*****	47.09	*****
47.34	.093	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 8.967 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.535	6.32	-.541	8.34	-.497	10.23	-.463	12.04	-.389
	3.99	-.572	6.09	-.571	8.05	-.513	9.90	-.470	11.68	-.400
E	3.85	-.592	5.86	-.630	7.76	-.549	9.57	-.486	11.32	-.415
	3.71	-.558	5.63	-.612	7.46	-.587	9.23	-.516	10.96	-.436
V	3.57	-.395	5.40	-.427	7.17	-.509	8.90	-.512	10.60	-.449
	3.43	-.225	5.17	*****	6.88	-.309	8.57	-.397	10.24	-.386
F	3.29	-.167	4.94	*****	6.59	-.180	8.23	-.259	9.88	-.299
	3.10	-.356	4.70	*****	6.30	-.261	7.99	-.197	9.58	-.223
	2.90	-.231	4.50	*****	6.10	-.201	7.79	-.188	9.38	-.214
W	2.70	-.204	4.30	*****	5.90	-.185	7.59	-.178	9.18	-.203
	2.50	-.197	4.10	-.219	5.70	-.180	7.39	-.170	8.98	-.196
	2.30	-.204	3.90	-.209	5.50	-.175	7.19	-.164	8.78	-.197
I	2.10	-.201	3.70	*****	5.30	-.170	6.99	-.166	8.58	-.185
			3.50	-.200	5.10	-.165	6.78	-.162	8.38	-.186
			3.00	-.190	4.50	-.147	6.38	-.160	7.98	-.178
N			2.50	-.218	3.50	-.119	5.98	-.138	7.38	-.162
			2.00	-.223	2.50	-.100	5.50	-.119	6.50	-.144
							4.50	-.105	5.50	-.137
G							3.50	-.097	4.50	-.136
							2.50	-.083	3.50	-.136
									2.50	-.126

TRAILING-EDGE FLAP

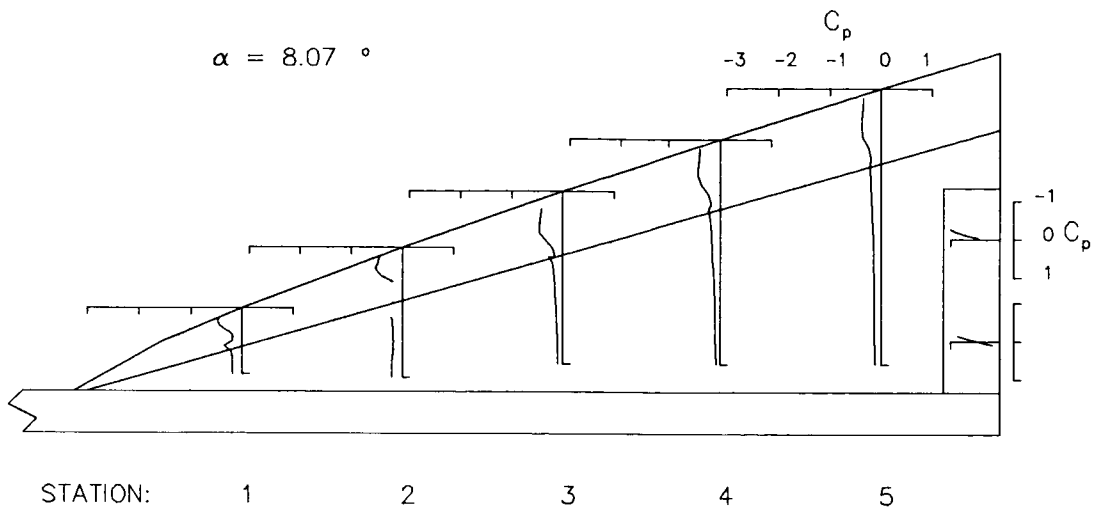
INBOARD

OUTBOARD

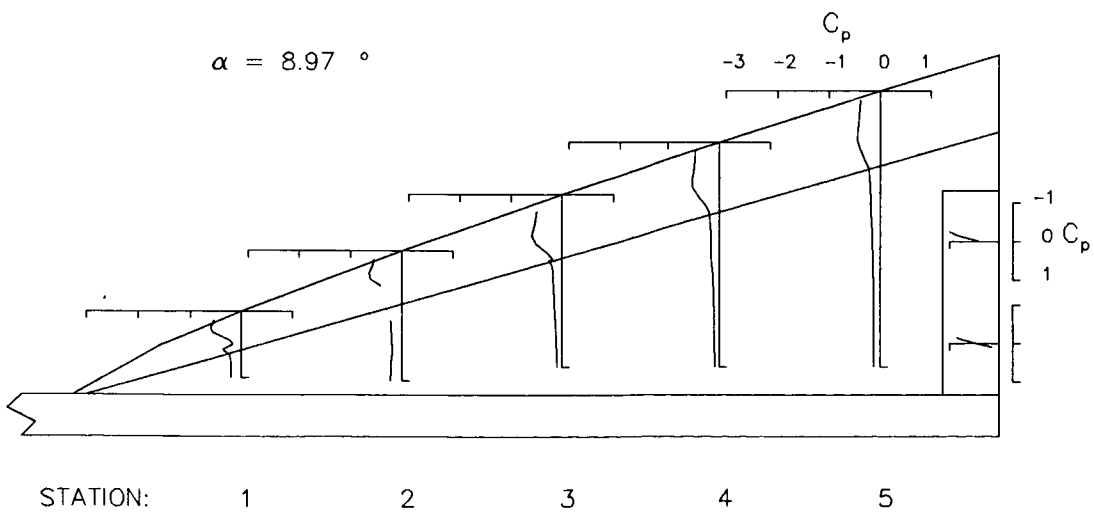
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.252
46.09	-.152	46.09	-.167
46.34	-.090	46.34	-.112
46.59	-.041	46.59	-.064
46.84	.007	46.84	-.024
47.09	*****	47.09	*****
47.34	.096	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 9.959 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.637	6.32	-.631	8.34	-.579	10.23	-.527	12.04	-.438
	3.99	-.686	6.09	-.652	8.05	-.597	9.90	-.542	11.68	-.454
E	3.85	-.765	5.86	-.717	7.76	-.643	9.57	-.570	11.32	-.473
	3.71	-.780	5.63	-.768	7.46	-.714	9.23	-.620	10.96	-.500
V	3.57	-.617	5.40	-.680	7.17	-.669	8.90	-.641	10.60	-.529
	3.43	-.351	5.17	*****	6.88	-.522	8.57	-.552	10.24	-.500
F	3.29	-.169	4.94	*****	6.59	-.260	8.23	-.410	9.88	-.461
	3.10	-.348	4.70	*****	6.30	-.226	7.99	-.227	9.58	-.314
	2.90	-.244	4.50	*****	6.10	-.184	7.79	-.187	9.38	-.277
W	2.70	-.215	4.30	*****	5.90	-.177	7.59	-.166	9.18	-.244
	2.50	-.201	4.10	-.225	5.70	-.178	7.39	-.156	8.98	-.218
	2.30	-.220	3.90	-.216	5.50	-.178	7.19	-.155	8.78	-.200
I	2.10	-.207	3.70	*****	5.30	-.175	6.99	-.161	8.58	-.175
			3.50	-.212	5.10	-.172	6.78	-.160	8.38	-.172
			3.00	-.202	4.50	-.153	6.38	-.164	7.98	-.169
N			2.50	-.229	3.50	-.123	5.98	-.145	7.38	-.162
			2.00	-.240	2.50	-.107	5.50	-.126	6.50	-.144
							4.50	-.110	5.50	-.139
G							3.50	-.101	4.50	-.137
							2.50	-.091	3.50	-.137
									2.50	-.131

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.239
46.09	-.157	46.09	-.156
46.34	-.094	46.34	-.104
46.59	-.045	46.59	-.058
46.84	.005	46.84	-.015
47.09	*****	47.09	*****
47.34	.099	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 11.036 DEG.

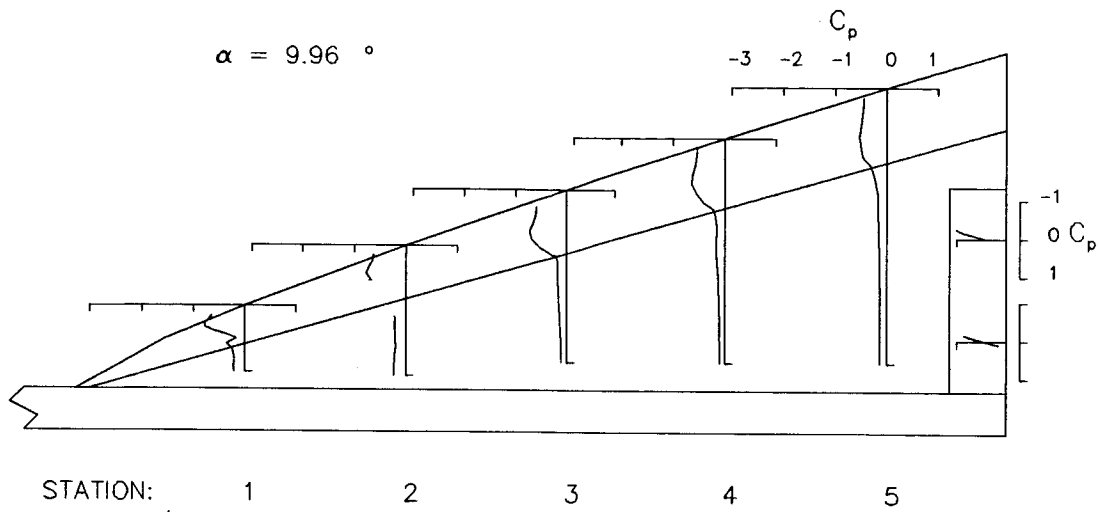
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.755	6.32	-.715	8.34	-.667	10.23	-.593	12.04	-.472
	3.99	-.809	6.09	-.748	8.05	-.683	9.90	-.607	11.68	-.498
E	3.85	-.932	5.86	-.861	7.76	-.744	9.57	-.647	11.32	-.514
	3.71	-.974	5.63	-.938	7.46	-.853	9.23	-.729	10.96	-.543
V	3.57	-.826	5.40	-.885	7.17	-.824	8.90	-.774	10.60	-.593
	3.43	-.551	5.17	*****	6.88	-.739	8.57	-.720	10.24	-.608
F	3.29	-.241	4.94	*****	6.59	-.459	8.23	-.600	9.88	-.617
	3.10	-.325	4.70	*****	6.30	-.217	7.99	-.345	9.58	-.507
	2.90	-.248	4.50	*****	6.10	-.159	7.79	-.240	9.38	-.424
W	2.70	-.232	4.30	*****	5.90	-.162	7.59	-.176	9.18	-.321
	2.50	-.211	4.10	-.225	5.70	-.170	7.39	-.149	8.98	-.265
	2.30	-.236	3.90	-.221	5.50	-.176	7.19	-.140	8.78	-.212
I	2.10	-.214	3.70	*****	5.30	-.175	6.99	-.148	8.58	-.170
			3.50	-.220	5.10	-.176	6.78	-.147	8.38	-.152
			3.00	-.213	4.50	-.163	6.38	-.164	7.98	-.147
N			2.50	-.244	3.50	-.128	5.98	-.151	7.38	-.151
			2.00	-.243	2.50	-.115	5.50	-.129	6.50	-.145
							4.50	-.112	5.50	-.141
G							3.50	-.107	4.50	-.138
							2.50	-.096	3.50	-.138
									2.50	-.138

TRAILING-EDGE FLAP

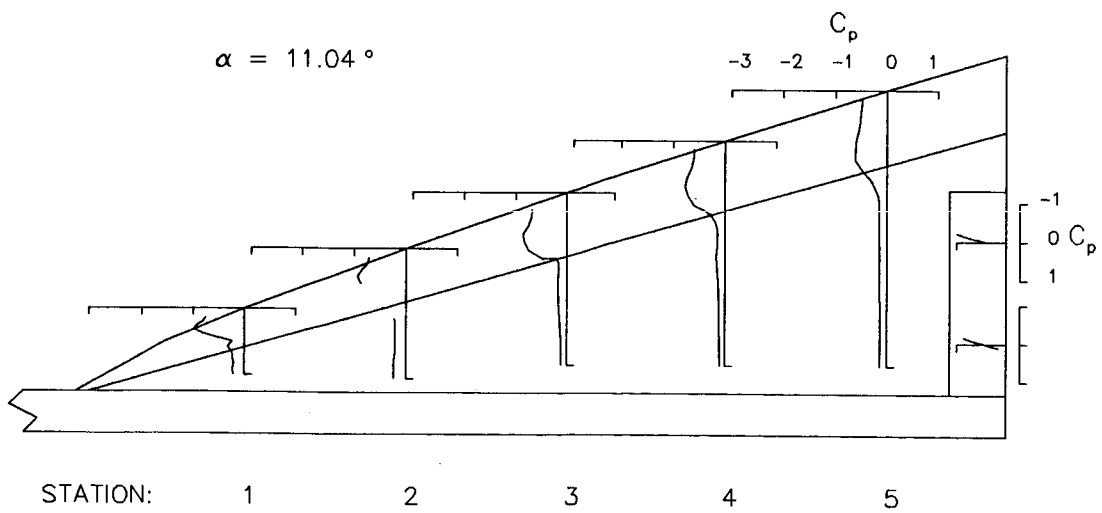
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.222
46.09	-.163	46.09	-.151
46.34	-.100	46.34	-.097
46.59	-.046	46.59	-.054
46.84	.005	46.84	-.010
47.09	*****	47.09	*****
47.34	.102	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 12.102 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.868	6.32	-.820	8.34	-.744	10.23	-.645	12.04	-.502
	3.99	-.924	6.09	-.839	8.05	-.767	9.90	-.671	11.68	-.526
E	3.85	-1.104	5.86	-.971	7.76	-.830	9.57	-.696	11.32	-.547
	3.71	-1.181	5.63	-1.095	7.46	-.983	9.23	-.805	10.96	-.573
V	3.57	-1.057	5.40	-1.084	7.17	-.982	8.90	-.866	10.60	-.647
	3.43	-.774	5.17	*****	6.88	-.926	8.57	-.850	10.24	-.694
F	3.29	-.368	4.94	*****	6.59	-.656	8.23	-.784	9.88	-.754
	3.10	-.279	4.70	*****	6.30	-.300	7.99	-.575	9.58	-.690
	2.90	-.249	4.50	*****	6.10	-.168	7.79	-.382	9.38	-.589
W	2.70	-.241	4.30	*****	5.90	-.150	7.59	-.250	9.18	-.488
	2.50	-.224	4.10	-.227	5.70	-.159	7.39	-.166	8.98	-.367
	2.30	-.251	3.90	-.226	5.50	-.164	7.19	-.129	8.78	-.277
I	2.10	-.228	3.70	*****	5.30	-.173	6.99	-.129	8.58	-.201
			3.50	-.231	5.10	-.175	6.78	-.136	8.38	-.140
			3.30	-.228	4.90	-.170	6.58	-.155	8.18	-.120
N			3.10	-.251	4.70	-.137	6.38	-.149	7.98	-.139
			2.90	-.249	4.50	-.119	6.18	-.132	7.78	-.144
					4.30	-.108	5.98	-.119	7.58	-.142
G					4.10	-.108	5.78	-.108	7.38	-.137
					3.90	-.101	5.58	-.101	7.18	-.141
					3.70		5.38		6.98	-.140
					3.50		5.18		6.78	
					3.30		4.98		6.58	
					3.10		4.78		6.38	
					2.90		4.58		6.18	
					2.70		4.38		5.98	
					2.50		4.18		5.78	
					2.30		3.98		5.58	
					2.10		3.78		5.38	
							3.58		5.18	
							3.38		4.98	
							3.18		4.78	
							2.98		4.58	
							2.78		4.38	
							2.58		4.18	
							2.38		3.98	
							2.18		3.78	
							1.98		3.58	
							1.78		3.38	
							1.58		3.18	
							1.38		2.98	
							1.18		2.78	
							0.98		2.58	
							0.78		2.38	
							0.58		2.18	
							0.38		1.98	
							0.18		1.78	
									1.58	
									1.38	
									1.18	
									0.98	
									0.78	
									0.58	
									0.38	
									0.18	

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.215
46.09	-.170	46.09	-.144
46.34	-.105	46.34	-.094
46.59	-.052	46.59	-.048
46.84	-.003	46.84	-.008
47.09	*****	47.09	*****
47.34	.106	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 13.042 DEG.

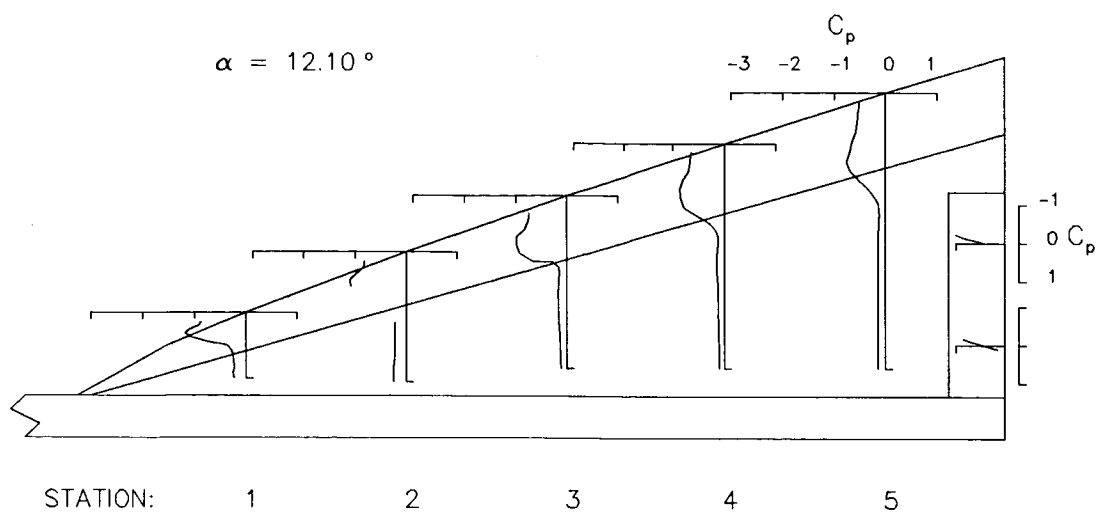
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.973	6.32	-.898	8.34	-.805	10.23	-.684	12.04	-.515
	3.99	-1.032	6.09	-.930	8.05	-.825	9.90	-.706	11.68	-.546
E	3.85	-1.251	5.86	-1.060	7.76	-.878	9.57	-.737	11.32	-.570
	3.71	-1.400	5.63	-1.228	7.46	-1.082	9.23	-.830	10.96	-.591
V	3.57	-1.264	5.40	-1.241	7.17	-1.093	8.90	-.953	10.60	-.674
	3.43	-.965	5.17	*****	6.88	-1.070	8.57	-.968	10.24	-.758
F	3.29	-.525	4.94	*****	6.59	-.877	8.23	-.948	9.88	-.861
	3.10	-.246	4.70	*****	6.30	-.462	7.99	-.806	9.58	-.848
	2.90	-.246	4.50	*****	6.10	-.225	7.79	-.554	9.38	-.729
W	2.70	-.250	4.30	*****	5.90	-.156	7.59	-.367	9.18	-.622
	2.50	-.240	4.10	-.223	5.70	-.145	7.39	-.237	8.98	-.520
	2.30	-.266	3.90	-.226	5.50	-.153	7.19	-.149	8.78	-.380
I	2.10	-.242	3.70	*****	5.30	-.165	6.99	-.127	8.58	-.263
			3.50	-.238	5.10	-.173	6.78	-.120	8.38	-.188
			3.30	-.237	4.90	-.175	6.58	-.143	8.18	-.112
N			3.10	-.264	4.70	-.142	6.38	-.145	7.98	-.130
			2.90	-.258	4.50	-.130	6.18	-.134	7.78	-.141
					4.30		5.98	-.124	7.58	-.142
					4.10		5.78	-.115	7.38	-.141
G					3.90		5.58	-.107	7.18	-.144
					3.70		5.38		6.98	-.145
					3.50		5.18		6.78	
					3.30		4.98		6.58	
					3.10		4.78		6.38	
					2.90		4.58		6.18	
					2.70		4.38		5.98	
					2.50		4.18		5.78	
					2.30		3.98		5.58	
					2.10		3.78		5.38	
							3.58		5.18	
							3.38		4.98	
							3.18		4.78	
							2.98		4.58	
							2.78		4.38	
							2.58		4.18	
							2.38		3.98	
							2.18		3.78	
							1.98		3.58	
							1.78		3.38	
							1.58		3.18	
							1.38		2.98	
							1.18		2.78	
							0.98		2.58	
							0.78		2.38	
							0.58		2.18	
							0.38		1.98	
							0.18		1.78	
									1.58	
									1.38	
									1.18	
									0.98	
									0.78	
									0.58	
									0.38	
									0.18	

TRAILING-EDGE FLAP

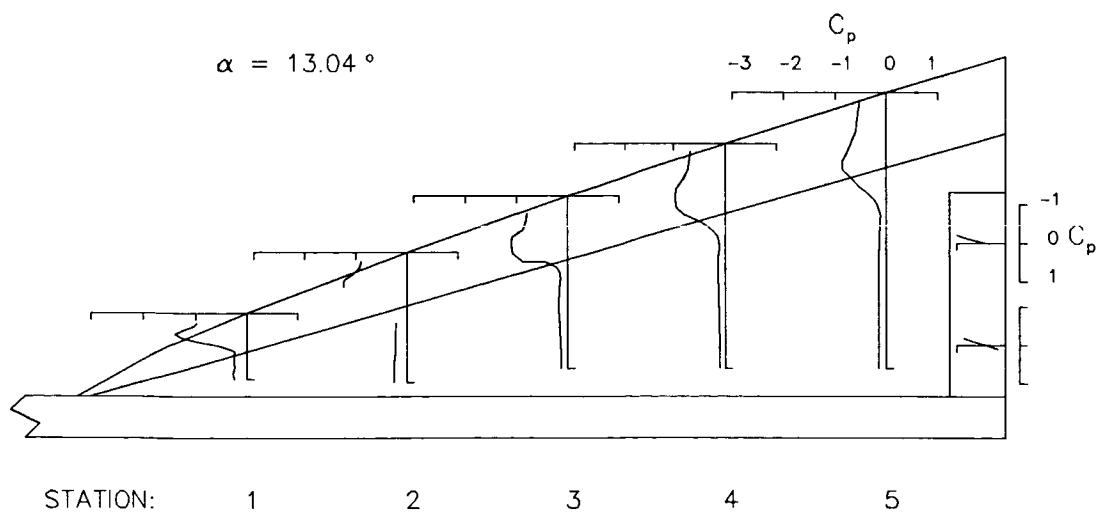
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.212
46.09	-.175	46.09	-.144
46.34	-.112	46.34	-.091
46.59	-.057	46.59	-.048
46.84	-.006	46.84	-.005
47.09	*****	47.09	*****
47.34	.104	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 13.990 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.068	6.32	-.990	8.34	-.857	10.23	-.716	12.04	-.516
	3.99	-1.137	6.09	-1.006	8.05	-.888	9.90	-.752	11.68	-.562
E	3.85	-1.387	5.86	-1.109	7.76	-.932	9.57	-.772	11.32	-.588
	3.71	-1.571	5.63	-1.359	7.46	-1.108	9.23	-.854	10.96	-.602
V	3.57	-1.479	5.40	-1.396	7.17	-1.195	8.90	-1.012	10.60	-.675
	3.43	-1.206	5.17	*****	6.88	-1.224	8.57	-1.055	10.24	-.791
F	3.29	-.696	4.94	*****	6.59	-1.069	8.23	-1.114	9.88	-.945
	3.10	-.228	4.70	*****	6.30	-.700	7.99	-1.046	9.58	-.982
	2.90	-.239	4.50	*****	6.10	-.349	7.79	-.754	9.38	-.858
W	2.70	-.257	4.30	*****	5.90	-.207	7.59	-.544	9.18	-.751
	2.50	-.261	4.10	-.213	5.70	-.156	7.39	-.380	8.98	-.636
	2.30	-.279	3.90	-.224	5.50	-.144	7.19	-.230	8.78	-.518
I	2.10	-.251	3.70	*****	5.30	-.150	6.99	-.162	8.58	-.387
			3.50	-.244	5.10	-.161	6.78	-.122	8.38	-.279
			3.30	-.247	4.90	-.179	6.58	-.121	8.18	-.130
N			2.50	-.277	3.50	-.152	5.50	-.142	7.38	-.121
			2.00	-.272	2.50	-.137	5.00	-.134	6.50	-.138
G							4.50	-.128	5.50	-.145
							3.50	-.121	4.50	-.141
							2.50	-.114	3.50	-.142
									2.50	-.144

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.208
46.09	-.185	46.09	-.141
46.34	-.120	46.34	-.091
46.59	-.066	46.59	-.046
46.84	-.011	46.84	-.005
47.09	*****	47.09	*****
47.34	.099	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 14.912 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.180	6.32	-1.060	8.34	-.910	10.23	-.739	12.04	-.525
	3.99	-1.230	6.09	-1.078	8.05	-.943	9.90	-.780	11.68	-.571
E	3.85	-1.488	5.86	-1.165	7.76	-.967	9.57	-.809	11.32	-.598
	3.71	-1.754	5.63	-1.440	7.46	-1.110	9.23	-.851	10.96	-.621
V	3.57	-1.726	5.40	-1.538	7.17	-1.280	8.90	-1.009	10.60	-.677
	3.43	-1.427	5.17	*****	6.88	-1.359	8.57	-1.125	10.24	-.787
F	3.29	-.868	4.94	*****	6.59	-1.259	8.23	-1.255	9.88	-.983
	3.10	-.244	4.70	*****	6.30	-.952	7.99	-1.249	9.58	-1.101
	2.90	-.235	4.50	*****	6.10	-.522	7.79	-.936	9.38	-.973
W	2.70	-.262	4.30	*****	5.90	-.284	7.59	-.718	9.18	-.868
	2.50	-.281	4.10	-.210	5.70	-.203	7.39	-.534	8.98	-.763
	2.30	-.297	3.90	-.225	5.50	-.158	7.19	-.346	8.78	-.660
I	2.10	-.267	3.70	*****	5.30	-.150	6.99	-.226	8.58	-.525
			3.50	-.250	5.10	-.159	6.78	-.161	8.38	-.394
			3.30	-.258	4.90	-.181	6.58	-.130	8.18	-.190
N			2.50	-.293	3.50	-.161	5.50	-.137	7.38	-.123
			2.00	-.281	2.50	-.149	5.00	-.136	6.50	-.138
G							4.50	-.133	5.50	-.147
							3.50	-.129	4.50	-.147
							2.50	-.118	3.50	-.147
									2.50	-.153

TRAILING-EDGE FLAP

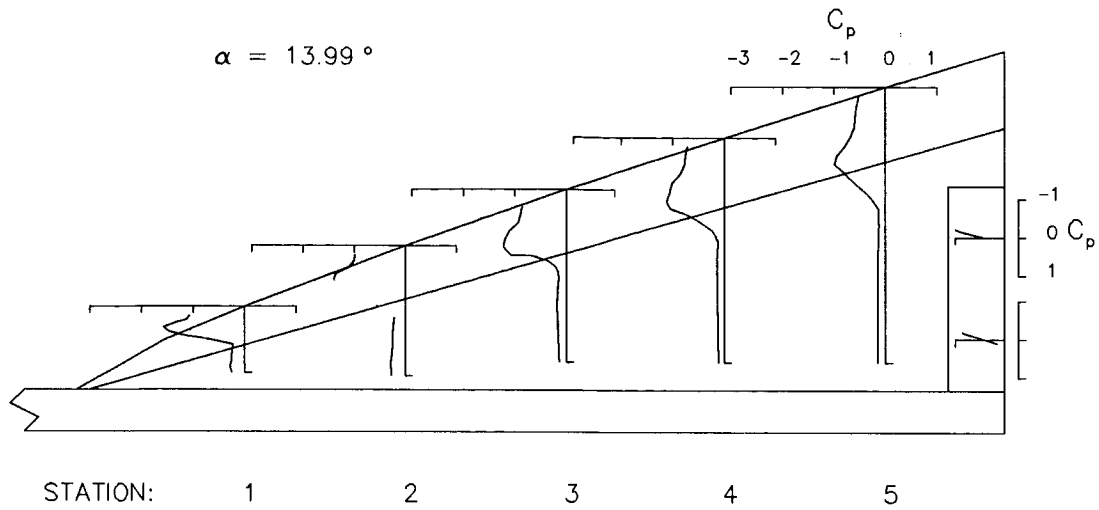
INBOARD

OUTBOARD

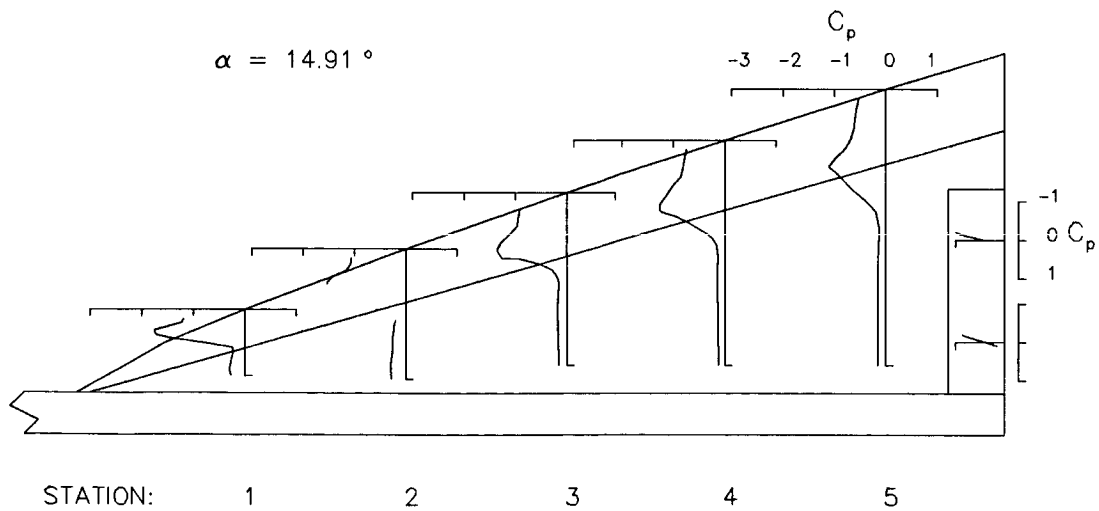
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.209
46.09	-.189	46.09	-.140
46.34	-.127	46.34	-.090
46.59	-.072	46.59	-.047
46.84	-.018	46.84	-.006
47.09	*****	47.09	*****
47.34	.095	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 16.025 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.296	6.32	-1.138	8.34	-.962	10.23	-.771	12.04	-.547
	3.99	-1.343	6.09	-1.169	8.05	-.990	9.90	-.810	11.68	-.588
E	3.85	-1.581	5.86	-1.209	7.76	-1.011	9.57	-.847	11.32	-.617
	3.71	-1.989	5.63	-1.472	7.46	-1.100	9.23	-.880	10.96	-.665
V	3.57	-2.024	5.40	-1.739	7.17	-1.301	8.90	-.964	10.60	-.761
	3.43	-1.717	5.17	*****	6.88	-1.503	8.57	-1.106	10.24	-.858
F	3.29	-1.083	4.94	*****	6.59	-1.503	8.23	-1.398	9.88	-.868
	3.10	-.293	4.70	*****	6.30	-1.261	7.99	-1.534	9.58	-1.043
	2.90	-.244	4.50	*****	6.10	-.742	7.79	-1.170	9.38	-1.017
W	2.70	-.269	4.30	*****	5.90	-.447	7.59	-.939	9.18	-.970
	2.50	-.300	4.10	-.221	5.70	-.310	7.39	-.722	8.98	-.885
	2.30	-.317	3.90	-.225	5.50	-.211	7.19	-.526	8.78	-.799
I	2.10	-.287	3.70	*****	5.30	-.167	6.99	-.385	8.58	-.677
			3.50	-.259	5.10	-.161	6.78	-.261	8.38	-.560
			3.00	-.272	4.50	-.188	6.38	-.150	7.98	-.302
N			2.50	-.305	3.50	-.175	5.98	-.139	7.58	-.140
			2.00	-.301	2.50	-.165	5.50	-.142	6.50	-.152
							4.50	-.142	5.50	-.152
G							3.50	-.134	4.50	-.155
							2.50	-.132	3.50	-.156
									2.50	-.158

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.211
46.34	-.148
46.59	-.094
46.84	-.038
47.09	*****
47.34	.085

OUTBOARD

X IN.	CP
45.84	-.219
46.09	-.152
46.34	-.102
46.59	-.056
46.84	-.012
47.09	*****
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 18.801 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.601	6.32	-1.301	8.34	-1.078	10.23	-.903	12.04	-.555
	3.99	-1.634	6.09	-1.357	8.05	-1.121	9.90	-.927	11.68	-.583
E	3.85	-1.700	5.86	-1.392	7.76	-1.180	9.57	-.945	11.32	-.593
	3.71	-2.106	5.63	-1.406	7.46	-1.221	9.23	-1.000	10.96	-.606
V	3.57	-2.655	5.40	-1.687	7.17	-1.245	8.90	-1.022	10.60	-.636
	3.43	-2.492	5.17	*****	6.88	-1.387	8.57	-.987	10.24	-.640
F	3.29	-1.737	4.94	*****	6.59	-1.695	8.23	-.959	9.88	-.649
	3.10	-.690	4.70	*****	6.30	-2.036	7.99	-1.117	9.58	-.673
	2.90	-.321	4.50	*****	6.10	-1.393	7.79	-1.238	9.38	-.764
W	2.70	-.316	4.30	*****	5.90	-1.048	7.59	-1.261	9.18	-.886
	2.50	-.346	4.10	-.357	5.70	-.782	7.39	-1.210	8.98	-.964
	2.30	-.373	3.90	-.296	5.50	-.562	7.19	-1.091	8.78	-1.034
I	2.10	-.355	3.70	*****	5.30	-.409	6.99	-.951	8.58	-1.023
			3.50	-.290	5.10	-.315	6.78	-.775	8.38	-1.010
			3.00	-.317	4.50	-.234	6.38	-.488	7.98	-.859
N			2.50	-.366	3.50	-.226	5.98	-.312	7.58	-.510
			2.00	-.360	2.50	-.215	5.50	-.250	6.50	-.312
							4.50	-.217	5.50	-.234
							3.50	-.203	4.50	-.217
G							2.50	-.195	3.50	-.215
									2.50	-.204

TRAILING-EDGE FLAP

INBOARD

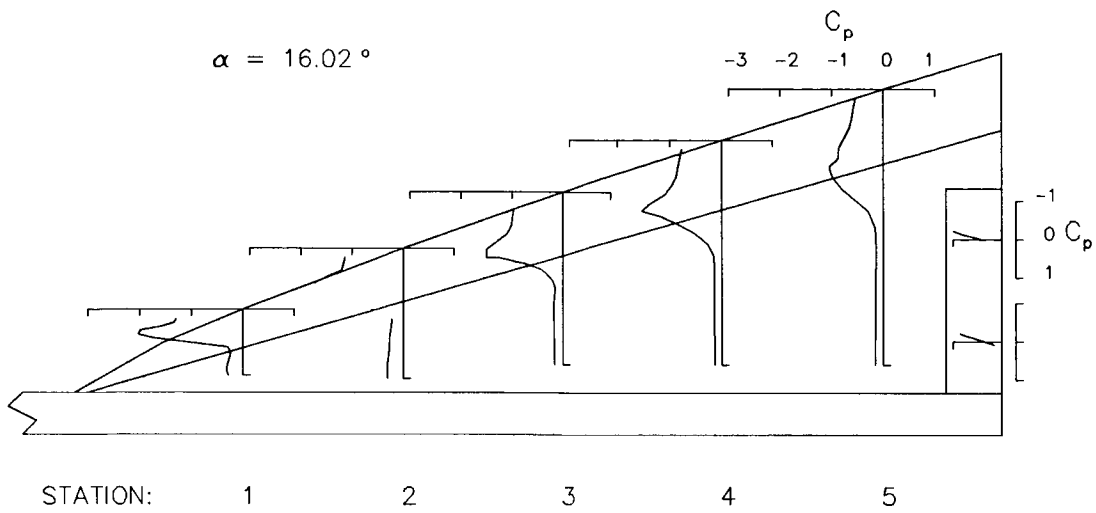
X IN.	CP
45.84	*****
46.09	-.380
46.34	-.301
46.59	-.228
46.84	-.155
47.09	*****
47.34	.006

OUTBOARD

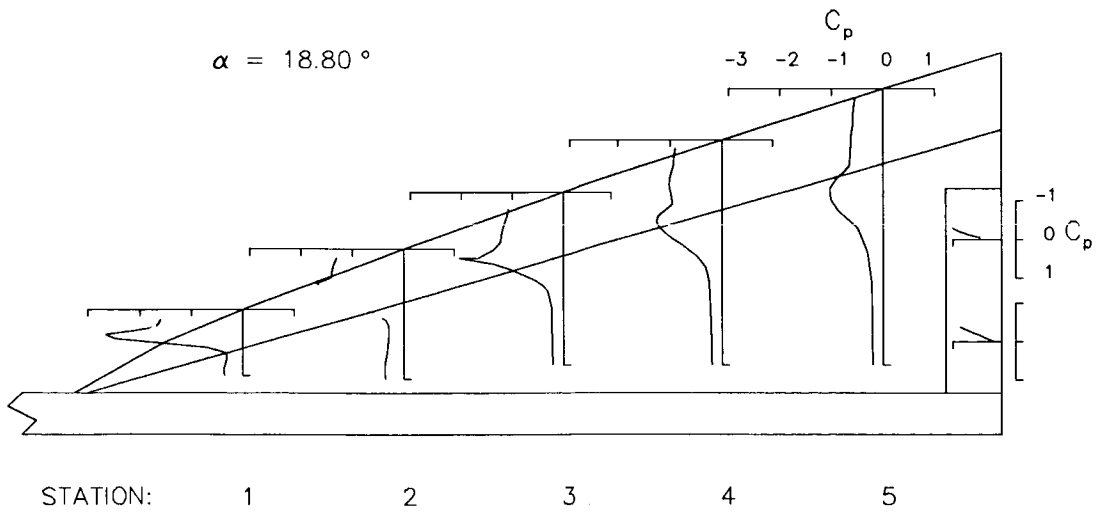
X IN.	CP
45.84	-.290
46.09	-.202
46.34	-.140
46.59	-.090
46.84	-.044
47.09	*****
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 20.966 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.819	6.32	-1.455	8.34	-1.220	10.23	-.927	12.04	-.561
	3.99	-1.856	6.09	-1.518	8.05	-1.241	9.90	-.939	11.68	-.570
E	3.85	-1.867	5.86	-1.586	7.76	-1.248	9.57	-.957	11.32	-.590
	3.71	-1.982	5.63	-1.647	7.46	-1.330	9.23	-1.008	10.96	-.616
V	3.57	-2.684	5.40	-1.662	7.17	-1.331	8.90	-1.037	10.60	-.638
	3.43	-3.016	5.17	*****	6.88	-1.277	8.57	-1.026	10.24	-.633
F	3.29	-2.438	4.94	*****	6.59	-1.256	8.23	-1.028	9.88	-.633
	3.10	-1.220	4.70	*****	6.30	-1.598	7.99	-1.100	9.58	-.639
	2.90	-.497	4.50	*****	6.10	-1.560	7.79	-1.225	9.38	-.673
W	2.70	-.395	4.30	*****	5.90	-1.464	7.59	-1.349	9.18	-.724
	2.50	-.407	4.10	-.683	5.70	-1.293	7.39	-1.418	8.98	-.860
	2.30	-.442	3.90	-.499	5.50	-1.073	7.19	-1.429	8.78	-.923
I	2.10	-.430	3.70	*****	5.30	-.881	6.99	-1.408	8.58	-.973
			3.50	-.393	5.10	-.694	6.78	-1.317	8.38	-1.213
			3.00	-.386	4.50	-.418	6.38	-1.041	7.98	-1.109
N			2.50	-.436	3.50	-.328	5.98	-.733	7.38	-.829
			2.00	-.443	2.50	-.302	5.50	-.508	6.50	-.504
							4.50	-.336	5.50	-.321
G							3.50	-.296	4.50	-.264
							2.50	-.259	3.50	-.249
									2.50	-.241

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.486
46.34	-.405
46.59	-.324
46.84	-.241
47.09	*****
47.34	-.074

OUTBOARD

X IN.	CP
45.84	-.347
46.09	-.248
46.34	-.178
46.59	-.112
46.84	-.059
47.09	*****
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 23.192 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-2.078	6.32	-1.597	8.34	-1.282	10.23	-.940	12.04	-.540
	3.99	-2.054	6.09	-1.655	8.05	-1.297	9.90	-.952	11.68	-.555
E	3.85	-2.066	5.86	-1.756	7.76	-1.336	9.57	-.989	11.32	-.579
	3.71	-2.101	5.63	-1.789	7.46	-1.393	9.23	-1.020	10.96	-.598
V	3.57	-2.434	5.40	-1.824	7.17	-1.403	8.90	-1.044	10.60	-.614
	3.43	-3.155	5.17	*****	6.88	-1.378	8.57	-1.027	10.24	-.616
F	3.29	-3.419	4.94	*****	6.59	-1.353	8.23	-1.023	9.88	-.613
	3.10	-2.023	4.70	*****	6.30	-1.603	7.99	-1.067	9.58	-.626
	2.90	-.843	4.50	*****	6.10	-1.718	7.79	-1.173	9.38	-.635
W	2.70	-.585	4.30	*****	5.90	-1.773	7.59	-1.351	9.18	-.654
	2.50	-.503	4.10	-1.098	5.70	-1.719	7.39	-1.466	8.98	-.702
	2.30	-.551	3.90	-.843	5.50	-1.593	7.19	-1.550	8.78	-.827
I	2.10	-.532	3.70	*****	5.30	-1.415	6.99	-1.584	8.58	-.975
			3.50	-.611	5.10	-1.201	6.78	-1.553	8.38	-1.100
			3.00	-.527	4.50	-.693	6.38	-1.387	7.98	-1.219
N			2.50	-.572	3.50	-.452	5.98	-1.029	7.38	-.909
			2.00	-.544	2.50	-.398	5.50	-.730	6.50	-.717
							4.50	-.458	5.50	-.479
G							3.50	-.384	4.50	-.395
							2.50	-.340	3.50	-.350
									2.50	-.276

TRAILING-EDGE FLAP

INBOARD

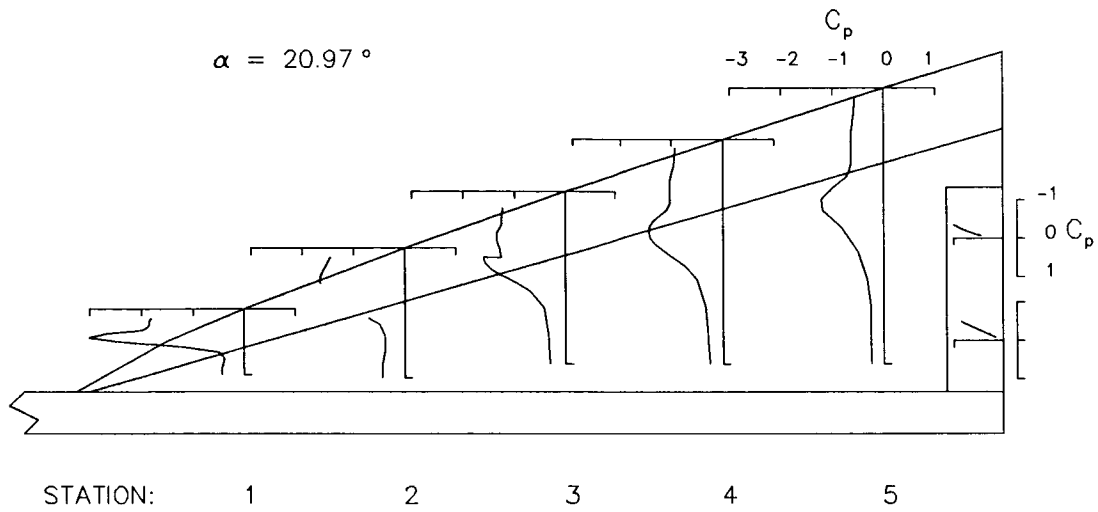
X IN.	CP
45.84	*****
46.09	-.602
46.34	-.508
46.59	-.424
46.84	-.325
47.09	*****
47.34	-.158

OUTBOARD

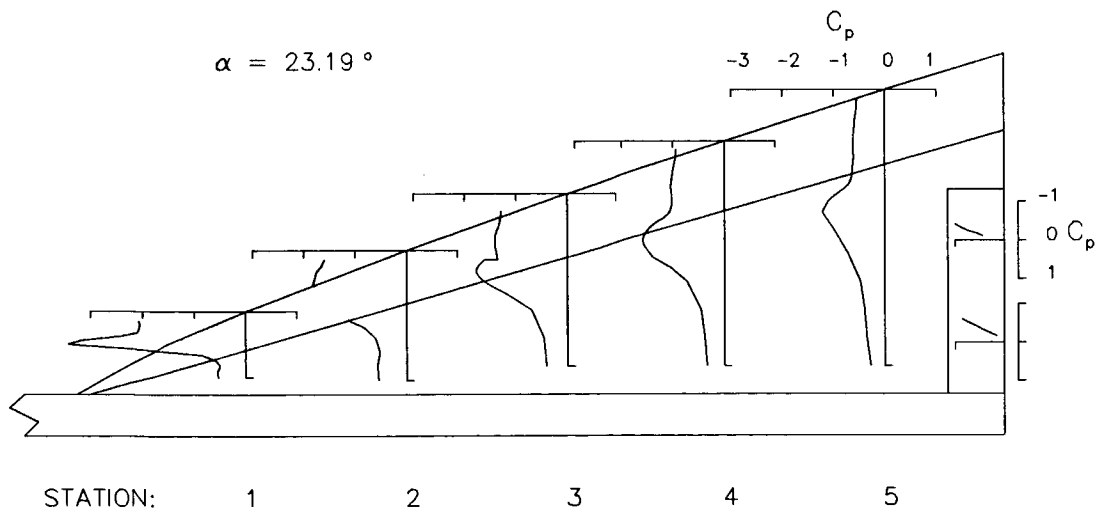
X IN.	CP
45.84	-.418
46.09	-.313
46.34	-.240
46.59	-.181
46.84	-.110
47.09	*****
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= -.034 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.071	6.32	.068	8.34	.058	10.23	.058	12.04	.038
	3.99	.071	6.09	.051	8.05	.047	9.90	.037	11.68	.004
E	3.85	.040	5.86	.037	7.76	*****	9.57	.020	11.32	-.016
	3.71	.029	5.63	.020	7.46	.019	9.23	.005	10.96	-.023
V	3.57	.013	5.40	.006	7.17	.002	8.90	*****	10.60	-.053
	3.43	.000	5.17	-.013	6.88	-.014	8.57	*****	10.24	-.070
F	3.29	-.014	4.94	-.059	6.59	-.042	8.23	-.055	9.88	-.112
	3.10	-.106	4.70	-.187	6.30	-.108	7.99	-.106	9.58	-.151
	2.90	-.041	4.50	-.121	6.10	-.054	7.79	-.081	9.38	-.139
W	2.70	-.033	4.30	-.057	5.90	-.047	7.59	-.068	9.18	-.134
	2.50	-.061	4.10	-.056	5.70	-.045	7.39	-.065	8.98	-.134
	2.30	-.054	3.90	-.056	5.50	-.047	7.19	-.060	8.78	-.141
I	2.10	-.036	3.70	-.071	5.30	-.044	6.99	-.067	8.58	-.141
			3.50	-.063	5.10	-.046	6.78	-.066	8.38	-.148
			3.00	-.067	4.50	-.041	6.38	-.075	7.98	-.156
N			2.50	-.111	3.50	-.026	5.98	-.065	7.38	-.152
			2.00	-.094	2.50	-.018	5.50	-.056	6.50	-.154
							4.50	-.049	5.50	-.158
G							3.50	-.046	4.50	-.160
							2.50	-.038	3.50	-.162
									2.50	-.161

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.388
46.09	-.233	46.09	-.236
46.34	-.139	46.34	-.146
46.59	-.069	46.59	-.084
46.84	-.015	46.84	-.043
47.09	*****	47.09	-.009
47.34	.055	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 2.066 DEG.

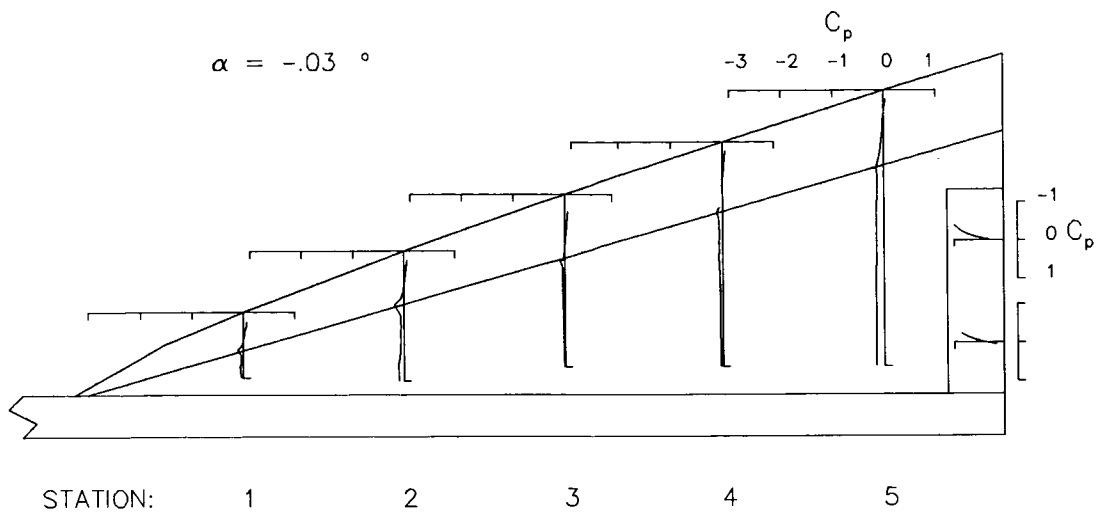
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.018	6.32	.011	8.34	.012	10.23	.005	12.04	-.012
	3.99	.020	6.09	.015	8.05	.004	9.90	.000	11.68	-.031
E	3.85	-.012	5.86	-.009	7.76	*****	9.57	-.022	11.32	-.050
	3.71	-.026	5.63	-.024	7.46	-.028	9.23	-.036	10.96	-.055
V	3.57	-.036	5.40	-.043	7.17	-.043	8.90	*****	10.60	-.088
	3.43	-.051	5.17	-.062	6.88	-.062	8.57	*****	10.24	-.109
F	3.29	-.069	4.94	-.113	6.59	-.095	8.23	-.103	9.88	-.157
	3.10	-.176	4.70	-.253	6.30	-.163	7.99	-.166	9.58	-.199
	2.90	-.093	4.50	-.157	6.10	-.102	7.79	-.129	9.38	-.179
W	2.70	-.079	4.30	-.102	5.90	-.090	7.59	-.109	9.18	-.169
	2.50	-.094	4.10	-.100	5.70	-.084	7.39	-.102	8.98	-.166
	2.30	-.087	3.90	-.095	5.50	-.083	7.19	-.097	8.78	-.170
I	2.10	-.074	3.70	-.108	5.30	-.081	6.99	-.100	8.58	-.169
			3.50	-.095	5.10	-.079	6.78	-.100	8.38	-.175
			3.00	-.099	4.50	-.072	6.38	-.105	7.98	-.178
N			2.50	-.137	3.50	-.050	5.98	-.089	7.38	-.169
			2.00	-.121	2.50	-.043	5.50	-.076	6.50	-.167
							4.50	-.067	5.50	-.168
							3.50	-.064	4.50	-.169
G							2.50	-.053	3.50	-.170
									2.50	-.167

TRAILING-EDGE FLAP

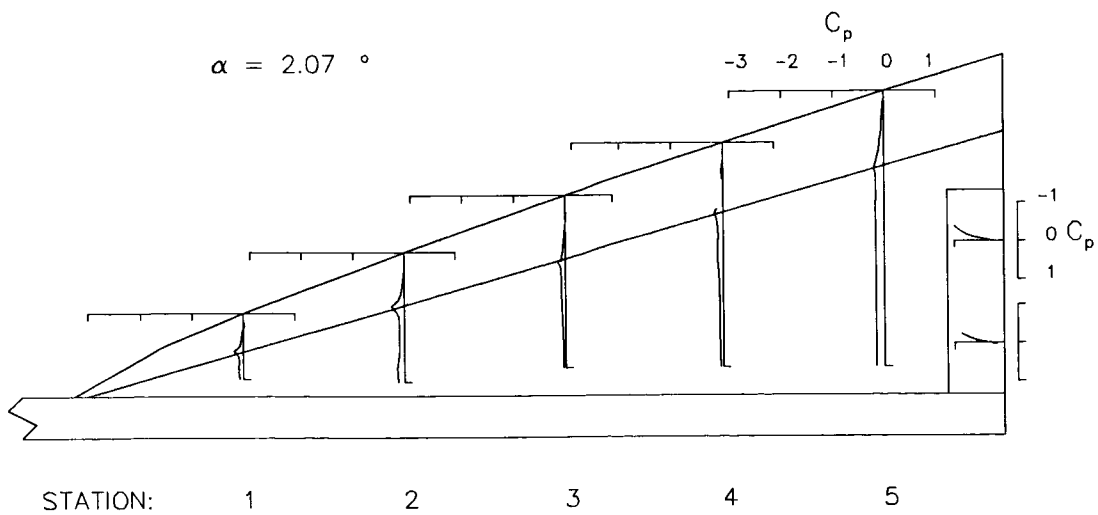
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.377
46.09	-.227	46.09	-.229
46.34	-.134	46.34	-.141
46.59	-.070	46.59	-.084
46.84	-.024	46.84	-.046
47.09	*****	47.09	-.015
47.34	.039	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 3.968 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.046	6.32	-.061	8.34	-.054	10.23	-.053	12.04	-.066
E	3.99	-.031	6.09	-.038	8.05	-.054	9.90	-.060	11.68	-.084
	3.85	-.063	5.86	-.060	7.76	*****	9.57	-.073	11.32	-.096
V	3.71	-.074	5.63	-.073	7.46	-.074	9.23	-.084	10.96	-.097
	3.57	-.091	5.40	-.093	7.17	-.091	8.90	*****	10.60	-.131
	3.43	-.104	5.17	-.111	6.88	-.112	8.57	*****	10.24	-.152
F	3.29	-.122	4.94	-.169	6.59	-.149	8.23	-.154	9.88	-.204
	3.10	-.244	4.70	-.324	6.30	-.223	7.99	-.226	9.58	-.251
	2.90	-.140	4.50	-.197	6.10	-.153	7.79	-.175	9.38	-.219
W	2.70	-.121	4.30	-.143	5.90	-.132	7.59	-.151	9.18	-.202
	2.50	-.127	4.10	-.137	5.70	-.124	7.39	-.141	8.98	-.195
I	2.30	-.120	3.90	-.130	5.50	-.117	7.19	-.133	8.78	-.199
	2.10	-.106	3.70	-.140	5.30	-.113	6.99	-.132	8.58	-.196
			3.50	-.126	5.10	-.111	6.78	-.130	8.38	-.201
N			3.00	-.127	4.50	-.097	6.38	-.132	7.98	-.199
			2.50	-.163	3.50	-.073	5.98	-.114	7.38	-.186
			2.00	-.149	2.50	-.062	5.50	-.097	6.50	-.179
G							4.50	-.085	5.50	-.178
							3.50	-.078	4.50	-.175
							2.50	-.067	3.50	-.175
									2.50	-.172

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.362
46.09	-.217	46.09	-.222
46.34	-.129	46.34	-.139
46.59	-.071	46.59	-.086
46.84	-.033	46.84	-.051
47.09	*****	47.09	-.021
47.34	.018	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 6.038 DEG.

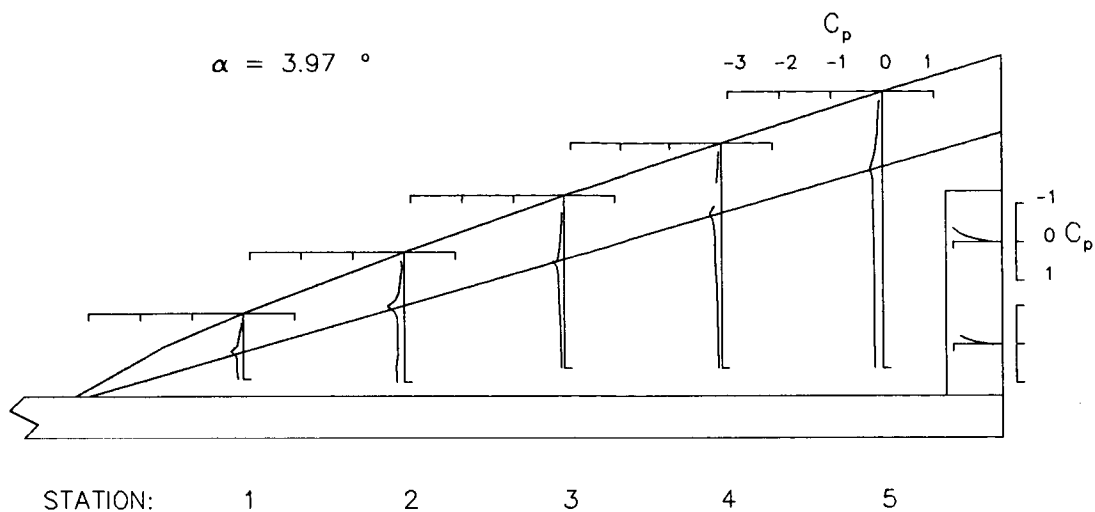
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.167	6.32	-.333	8.34	-.292	10.23	-.284	12.04	-.278
E	3.99	-.162	6.09	-.218	8.05	-.304	9.90	-.305	11.68	-.295
	3.85	-.142	5.86	-.091	7.76	*****	9.57	-.222	11.32	-.285
V	3.71	-.125	5.63	-.116	7.46	-.114	9.23	-.150	10.96	-.169
	3.57	-.140	5.40	-.143	7.17	-.126	8.90	*****	10.60	-.153
	3.43	-.158	5.17	-.168	6.88	-.156	8.57	*****	10.24	-.176
F	3.29	-.177	4.94	-.234	6.59	-.199	8.23	-.196	9.88	-.240
	3.10	-.300	4.70	-.393	6.30	-.288	7.99	-.277	9.58	-.291
	2.90	-.190	4.50	-.248	6.10	-.204	7.79	-.224	9.38	-.259
W	2.70	-.169	4.30	-.191	5.90	-.177	7.59	-.197	9.18	-.243
	2.50	-.156	4.10	-.180	5.70	-.164	7.39	-.179	8.98	-.231
I	2.30	-.168	3.90	-.171	5.50	-.157	7.19	-.169	8.78	-.231
	2.10	-.147	3.70	-.186	5.30	-.149	6.99	-.168	8.58	-.227
			3.50	-.165	5.10	-.146	6.78	-.161	8.38	-.228
N			3.00	-.161	4.50	-.125	6.38	-.157	7.98	-.225
			2.50	-.200	3.50	-.104	5.98	-.140	7.38	-.209
			2.00	-.180	2.50	-.084	5.50	-.122	6.50	-.198
G							4.50	-.110	5.50	-.196
							3.50	-.103	4.50	-.194
							2.50	-.083	3.50	-.189
									2.50	-.181

TRAILING-EDGE FLAP

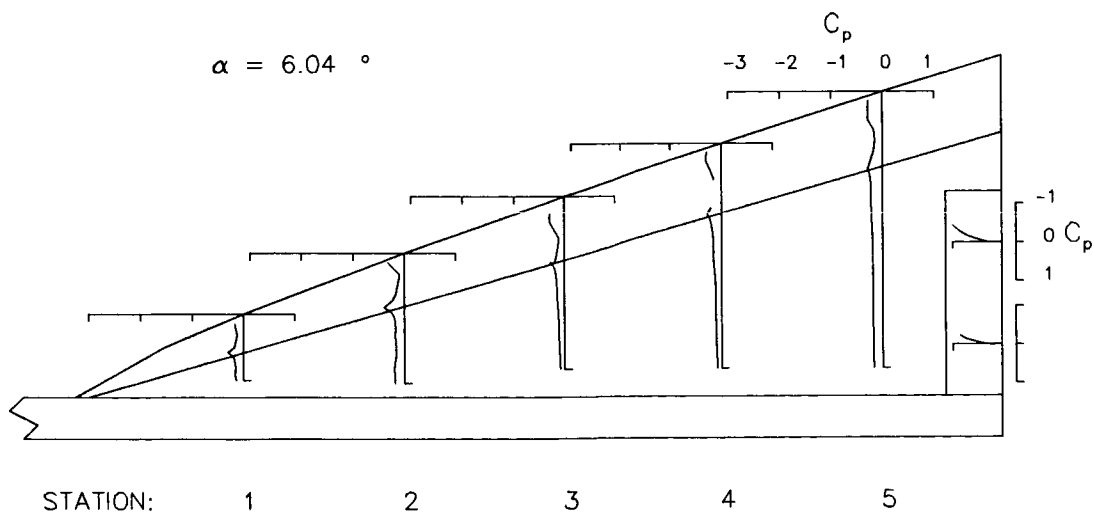
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.433
46.09	-.222	46.09	-.275
46.34	-.133	46.34	-.176
46.59	-.076	46.59	-.101
46.84	-.033	46.84	-.050
47.09	*****	47.09	-.002
47.34	.023	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 8.093 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.465	6.32	-.479	8.34	-.464	10.23	-.447	12.04	-.431
	3.99	-.490	6.09	-.516	8.05	-.475	9.90	-.457	11.68	-.442
E	3.85	-.476	5.86	-.554	7.76	*****	9.57	-.473	11.32	-.467
	3.71	-.375	5.63	-.478	7.46	-.505	9.23	-.492	10.96	-.473
V	3.57	-.243	5.40	-.211	7.17	-.386	8.90	*****	10.60	-.453
	3.43	-.184	5.17	-.129	6.88	-.206	8.57	*****	10.24	-.348
F	3.29	-.192	4.94	-.223	6.59	-.164	8.23	-.188	9.88	-.265
	3.10	-.351	4.70	-.455	6.30	-.292	7.99	-.233	9.58	-.249
	2.90	-.227	4.50	-.287	6.10	-.222	7.79	-.221	9.38	-.251
W	2.70	-.199	4.30	-.224	5.90	-.200	7.59	-.207	9.18	-.247
	2.50	-.174	4.10	-.215	5.70	-.187	7.39	-.197	8.98	-.238
	2.30	-.200	3.90	-.206	5.50	-.182	7.19	-.186	8.78	-.246
I	2.10	-.193	3.70	-.227	5.30	-.173	6.99	-.186	8.58	-.239
			3.50	-.198	5.10	-.170	6.78	-.182	8.38	-.245
			3.00	-.191	4.50	-.150	6.38	-.179	7.98	-.238
N			2.50	-.221	3.50	-.125	5.98	-.161	7.38	-.226
			2.00	-.219	2.50	-.109	5.50	-.139	6.50	-.211
G							4.50	-.125	5.50	-.206
							3.50	-.119	4.50	-.205
							2.50	-.101	3.50	-.204
									2.50	-.188

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.442
46.09	-.255	46.09	-.277
46.34	-.162	46.34	-.175
46.59	-.088	46.59	-.106
46.84	-.031	46.84	-.054
47.09	*****	47.09	-.007
47.34	.050	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 9.004 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.563	6.32	-.564	8.34	-.541	10.23	-.521	12.04	-.482
	3.99	-.592	6.09	-.586	8.05	-.554	9.90	-.534	11.68	-.498
E	3.85	-.611	5.86	-.658	7.76	*****	9.57	-.560	11.32	-.522
	3.71	-.576	5.63	-.644	7.46	-.632	9.23	-.594	10.96	-.542
V	3.57	-.407	5.40	-.503	7.17	-.570	8.90	*****	10.60	-.556
	3.43	-.249	5.17	-.234	6.88	-.385	8.57	*****	10.24	-.486
F	3.29	-.177	4.94	-.197	6.59	-.187	8.23	-.286	9.88	-.399
	3.10	-.358	4.70	-.442	6.30	-.271	7.99	-.206	9.58	-.271
	2.90	-.236	4.50	-.299	6.10	-.208	7.79	-.203	9.38	-.253
W	2.70	-.213	4.30	-.234	5.90	-.198	7.59	-.191	9.18	-.242
	2.50	-.184	4.10	-.228	5.70	-.189	7.39	-.189	8.98	-.238
	2.30	-.213	3.90	-.218	5.50	-.188	7.19	-.179	8.78	-.241
I	2.10	-.204	3.70	-.238	5.30	-.181	6.99	-.186	8.58	-.235
			3.50	-.211	5.10	-.178	6.78	-.183	8.38	-.235
			3.00	-.200	4.50	-.159	6.38	-.185	7.98	-.239
N			2.50	-.231	3.50	-.131	5.98	-.164	7.38	-.226
			2.00	-.235	2.50	-.116	5.50	-.144	6.50	-.213
G							4.50	-.129	5.50	-.207
							3.50	-.124	4.50	-.208
							2.50	-.109	3.50	-.207
									2.50	-.193

TRAILING-EDGE FLAP

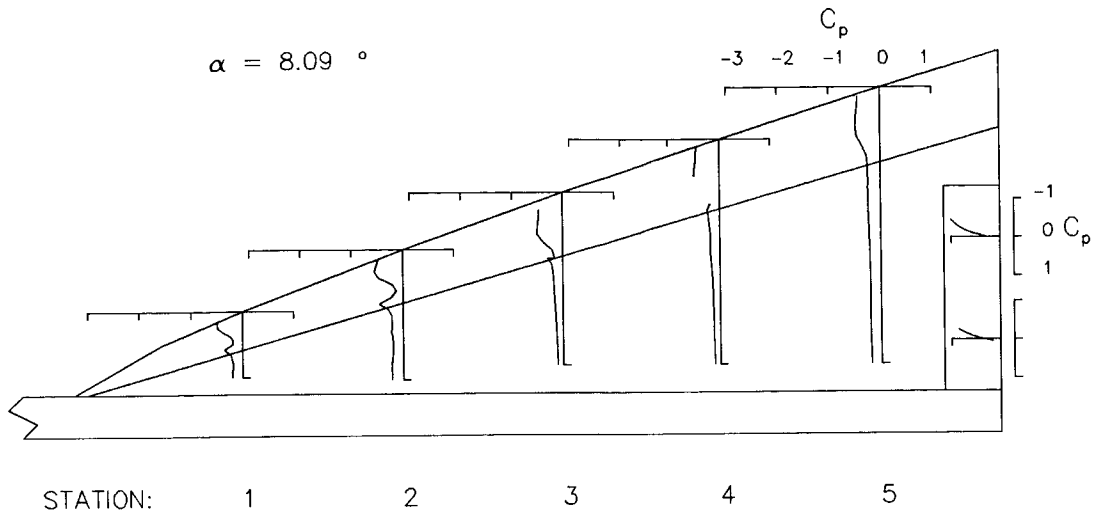
INBOARD

OUTBOARD

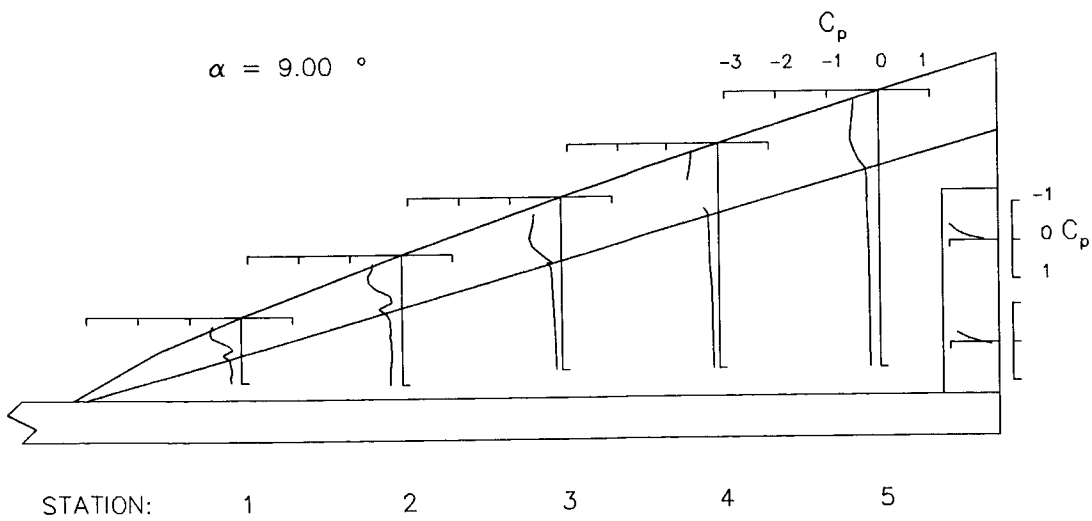
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.419
46.09	-.265	46.09	-.258
46.34	-.168	46.34	-.163
46.59	-.090	46.59	-.099
46.84	-.032	46.84	-.058
47.09	*****	47.09	-.022
47.34	.054	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 10.019 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.666	6.32	-.658	8.34	-.626	10.23	-.589	12.04	-.528
	3.99	-.707	6.09	-.693	8.05	-.642	9.90	-.607	11.68	-.555
E	3.85	-.805	5.86	-.741	7.76	*****	9.57	-.648	11.32	-.575
	3.71	-.793	5.63	-.811	7.46	-.763	9.23	-.706	10.96	-.611
V	3.57	-.648	5.40	-.747	7.17	-.736	8.90	*****	10.60	-.645
	3.43	-.357	5.17	-.472	6.88	-.586	8.57	*****	10.24	-.615
F	3.29	-.171	4.94	-.233	6.59	-.310	8.23	-.459	9.88	-.546
	3.10	-.356	4.70	-.411	6.30	-.235	7.99	-.243	9.58	-.383
	2.90	-.245	4.50	-.313	6.10	-.188	7.79	-.189	9.38	-.315
W	2.70	-.224	4.30	-.234	5.90	-.187	7.59	-.179	9.18	-.278
	2.50	-.195	4.10	-.229	5.70	-.189	7.39	-.173	8.98	-.239
	2.30	-.226	3.90	-.224	5.50	-.186	7.19	-.175	8.78	-.232
I	2.10	-.207	3.70	-.244	5.30	-.183	6.99	-.179	8.58	-.219
			3.50	-.220	5.10	-.184	6.78	-.177	8.38	-.224
			3.00	-.212	4.50	-.169	6.38	-.188	7.98	-.229
N			2.50	-.238	3.50	-.135	5.98	-.170	7.38	-.224
			2.00	-.244	2.50	-.121	5.50	-.149	6.50	-.213
							4.50	-.134	5.50	-.210
G							3.50	-.125	4.50	-.206
							2.50	-.114	3.50	-.203
									2.50	-.197

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.374
46.09	-.283	46.09	-.209
46.34	-.177	46.34	-.137
46.59	-.097	46.59	-.094
46.84	-.030	46.84	-.066
47.09	*****	47.09	-.045
47.34	.066	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 10.979 DEG.

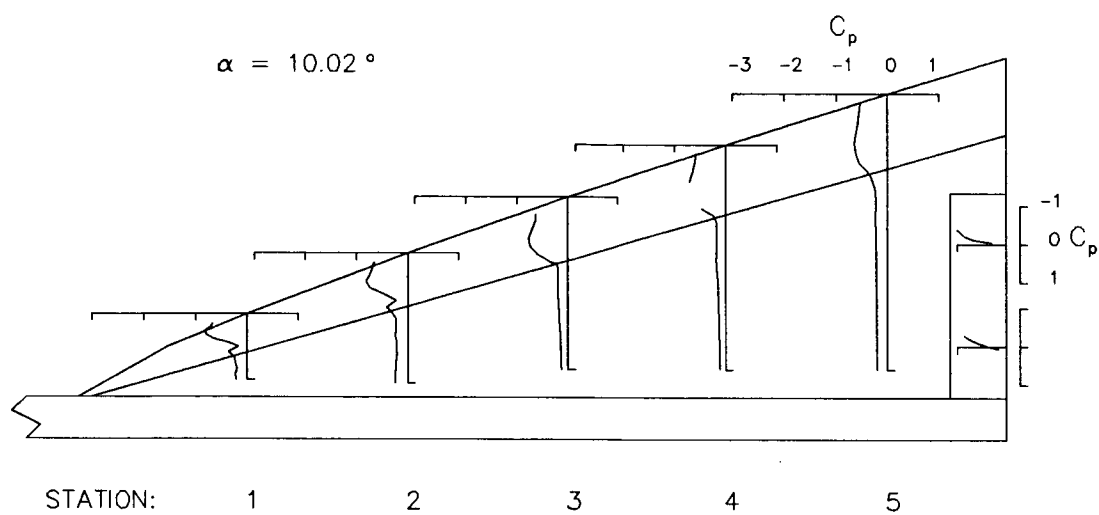
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.763	6.32	-.750	8.34	-.702	10.23	-.648	12.04	-.563
	3.99	-.835	6.09	-.781	8.05	-.726	9.90	-.665	11.68	-.589
E	3.85	-.983	5.86	-.870	7.76	*****	9.57	-.710	11.32	-.613
	3.71	-.999	5.63	-.968	7.46	-.906	9.23	-.815	10.96	-.665
V	3.57	-.848	5.40	-.934	7.17	-.894	8.90	*****	10.60	-.710
	3.43	-.542	5.17	-.688	6.88	-.776	8.57	*****	10.24	-.716
F	3.29	-.241	4.94	-.352	6.59	-.469	8.23	-.655	9.88	-.721
	3.10	-.327	4.70	-.371	6.30	-.236	7.99	-.383	9.58	-.544
	2.90	-.251	4.50	-.303	6.10	-.167	7.79	-.223	9.38	-.476
W	2.70	-.237	4.30	-.232	5.90	-.174	7.59	-.178	9.18	-.391
	2.50	-.205	4.10	-.233	5.70	-.180	7.39	-.162	8.98	-.294
	2.30	-.241	3.90	-.227	5.50	-.187	7.19	-.153	8.78	-.249
I	2.10	-.221	3.70	-.253	5.30	-.186	6.99	-.166	8.58	-.201
			3.50	-.230	5.10	-.189	6.78	-.171	8.38	-.199
			3.00	-.220	4.50	-.177	6.38	-.185	7.98	-.207
N			2.50	-.251	3.50	-.140	5.98	-.173	7.38	-.216
			2.00	-.253	2.50	-.126	5.50	-.155	6.50	-.214
							4.50	-.136	5.50	-.211
G							3.50	-.128	4.50	-.210
							2.50	-.120	3.50	-.206
									2.50	-.204

TRAILING-EDGE FLAP

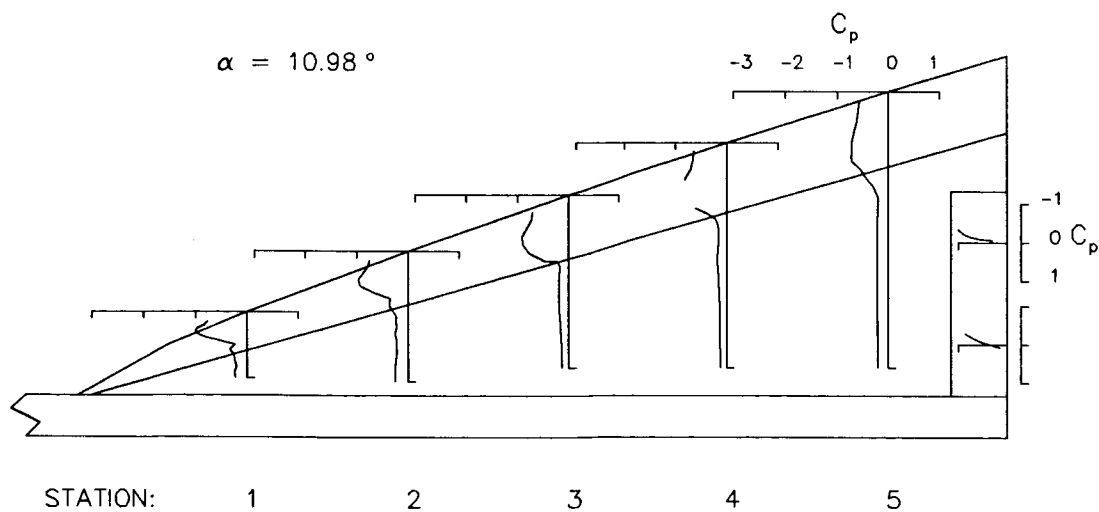
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.335
46.09	-.291	46.09	-.197
46.34	-.183	46.34	-.133
46.59	-.100	46.59	-.096
46.84	-.033	46.84	-.074
47.09	*****	47.09	-.053
47.34	.071	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

U P P E R S U R F A C E P R E S S U R E M E A S U R E M E N T S

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 11.969 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.877	6.32	-.834	8.34	-.774	10.23	-.700	12.04	-.592
	3.99	-.933	6.09	-.872	8.05	-.795	9.90	-.719	11.68	-.619
E	3.85	-1.132	5.86	-.990	7.76	*****	9.57	-.755	11.32	-.639
	3.71	-1.195	5.63	-1.125	7.46	-1.031	9.23	-.879	10.96	-.686
V	3.57	-1.038	5.40	-1.086	7.17	-1.025	8.90	*****	10.60	-.775
	3.43	-.761	5.17	-.905	6.88	-.943	8.57	*****	10.24	-.817
F	3.29	-.358	4.94	-.559	6.59	-.674	8.23	-.843	9.88	-.865
	3.10	-.291	4.70	-.346	6.30	-.297	7.99	-.571	9.58	-.758
	2.90	-.253	4.50	-.293	6.10	-.169	7.79	-.360	9.38	-.616
W	2.70	-.249	4.30	-.221	5.90	-.159	7.59	-.270	9.18	-.528
	2.50	-.214	4.10	-.233	5.70	-.164	7.39	-.183	8.98	-.418
	2.30	-.258	3.90	-.231	5.50	-.176	7.19	-.141	8.78	-.301
I	2.10	-.232	3.70	-.258	5.30	-.181	6.99	-.147	8.58	-.219
			3.50	-.237	5.10	-.192	6.78	-.156	8.38	-.182
N			3.00	-.234	4.50	-.183	6.38	-.178	7.98	-.181
			2.50	-.260	3.50	-.148	5.98	-.171	7.38	-.208
			2.00	-.258	2.50	-.133	5.50	-.155	6.50	-.211
G							4.50	-.142	5.50	-.211
							3.50	-.133	4.50	-.209
							2.50	-.125	3.50	-.206
									2.50	-.207

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.316
46.09	-.303	46.09	-.189
46.34	-.194	46.34	-.133
46.59	-.109	46.59	-.101
46.84	-.035	46.84	-.080
47.09	*****	47.09	-.056
47.34	.075	47.34	*****

U P P E R S U R F A C E P R E S S U R E M E A S U R E M E N T S

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 13.065 DEG.

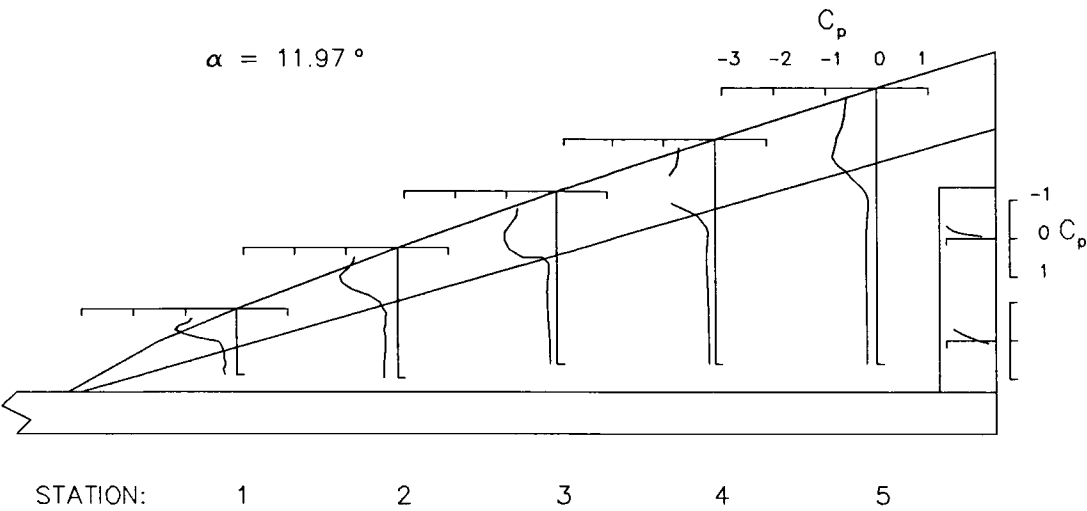
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.001	6.32	-.929	8.34	-.851	10.23	-.747	12.04	-.605
	3.99	-1.058	6.09	-.960	8.05	-.869	9.90	-.777	11.68	-.646
E	3.85	-1.279	5.86	-1.096	7.76	*****	9.57	-.805	11.32	-.669
	3.71	-1.437	5.63	-1.265	7.46	-1.126	9.23	-.908	10.96	-.699
V	3.57	-1.298	5.40	-1.263	7.17	-1.165	8.90	*****	10.60	-.809
	3.43	-1.004	5.17	-1.133	6.88	-1.129	8.57	*****	10.24	-.890
F	3.29	-.553	4.94	-.774	6.59	-.938	8.23	-1.027	9.88	-1.002
	3.10	-.247	4.70	-.402	6.30	-.489	7.99	-.841	9.58	-.968
	2.90	-.247	4.50	-.283	6.10	-.241	7.79	-.568	9.38	-.815
W	2.70	-.257	4.30	-.208	5.90	-.165	7.59	-.379	9.18	-.684
	2.50	-.230	4.10	-.225	5.70	-.155	7.39	-.261	8.98	-.577
	2.30	-.274	3.90	-.235	5.50	-.164	7.19	-.172	8.78	-.433
I	2.10	-.245	3.70	-.265	5.30	-.171	6.99	-.142	8.58	-.312
			3.50	-.245	5.10	-.182	6.78	-.135	8.38	-.235
N			3.00	-.246	4.50	-.189	6.38	-.159	7.98	-.161
			2.50	-.277	3.50	-.159	5.98	-.167	7.38	-.186
			2.00	-.268	2.50	-.144	5.50	-.156	6.50	-.207
G							4.50	-.147	5.50	-.213
							3.50	-.139	4.50	-.212
							2.50	-.132	3.50	-.209
									2.50	-.207

TRAILING-EDGE FLAP

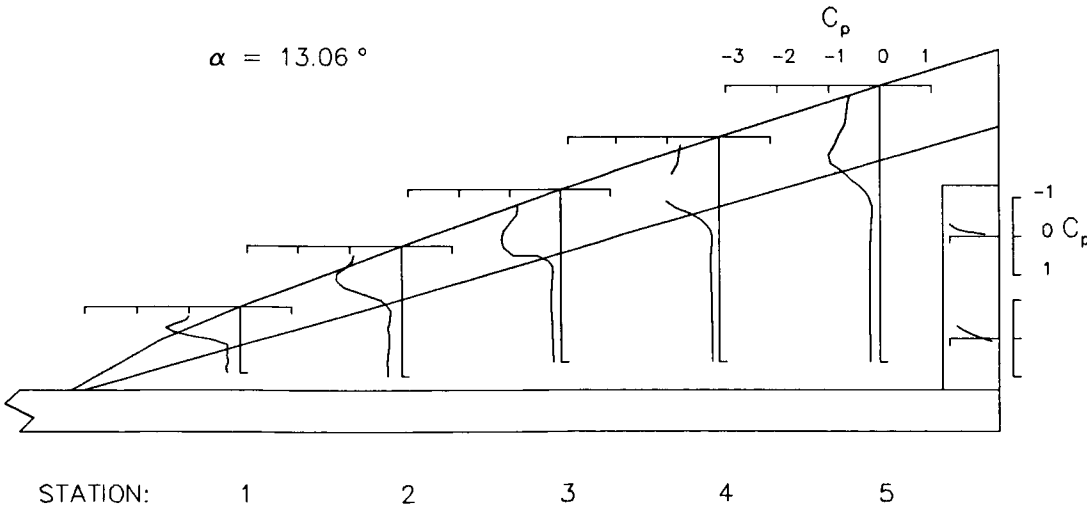
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.312
46.09	-.320	46.09	-.187
46.34	-.206	46.34	-.135
46.59	-.113	46.59	-.106
46.84	-.041	46.84	-.082
47.09	*****	47.09	-.056
47.34	.076	47.34	*****

Table V. Continued

$\delta_{LEVF} = 30.0^\circ \quad \delta_{TEF} = 10.0^\circ$



$\delta_{LEVF} = 30.0^\circ \quad \delta_{TEF} = 10.0^\circ$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 13.967 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.081	6.32	-1.013	8.34	-.896	10.23	-.777	12.04	-.613
	3.99	-1.146	6.09	-1.034	8.05	-.918	9.90	-.814	11.68	-.657
E	3.85	-1.403	5.86	-1.133	7.76	*****	9.57	-.837	11.32	-.686
	3.71	-1.637	5.63	-1.382	7.46	-1.181	9.23	-.917	10.96	-.717
V	3.57	-1.540	5.40	-1.457	7.17	-1.289	8.90	*****	10.60	-.804
	3.43	-1.216	5.17	-1.334	6.88	-1.265	8.57	*****	10.24	-.928
F	3.29	-.715	4.94	-.992	6.59	-1.111	8.23	-1.176	9.88	-1.098
	3.10	-.235	4.70	-.523	6.30	-.737	7.99	-1.121	9.58	-1.098
	2.90	-.241	4.50	-.301	6.10	-.377	7.79	-.804	9.38	-.949
W	2.70	-.262	4.30	-.202	5.90	-.218	7.59	-.555	9.18	-.822
	2.50	-.243	4.10	-.223	5.70	-.165	7.39	-.382	8.98	-.710
	2.30	-.290	3.90	-.231	5.50	-.159	7.19	-.251	8.78	-.580
I	2.10	-.261	3.70	-.267	5.30	-.163	6.99	-.182	8.58	-.417
			3.50	-.254	5.10	-.174	6.78	-.144	8.38	-.305
			3.00	-.259	4.50	-.194	6.38	-.149	7.98	-.177
N			2.50	-.292	3.50	-.167	5.98	-.163	7.38	-.178
			2.00	-.281	2.50	-.153	5.50	-.159	6.50	-.206
							4.50	-.154	5.50	-.215
G							3.50	-.147	4.50	-.213
							2.50	-.140	3.50	-.213
									2.50	-.210

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.291
46.09	-.337	46.09	-.181
46.34	-.221	46.34	-.139
46.59	-.129	46.59	-.112
46.84	-.053	46.84	-.090
47.09	*****	47.09	-.068
47.34	.080	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 15.030 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.219	6.32	-1.093	8.34	-.964	10.23	-.807	12.04	-.625
	3.99	-1.268	6.09	-1.119	8.05	-.986	9.90	-.852	11.68	-.668
E	3.85	-1.513	5.86	-1.190	7.76	*****	9.57	-.877	11.32	-.704
	3.71	-1.850	5.63	-1.473	7.46	-1.159	9.23	-.927	10.96	-.732
V	3.57	-1.818	5.40	-1.623	7.17	-1.353	8.90	*****	10.60	-.791
	3.43	-1.508	5.17	-1.543	6.88	-1.464	8.57	*****	10.24	-.924
F	3.29	-.917	4.94	-1.271	6.59	-1.368	8.23	-1.359	9.88	-1.157
	3.10	-.260	4.70	-.777	6.30	-1.037	7.99	-1.372	9.58	-1.276
	2.90	-.242	4.50	-.366	6.10	-.555	7.79	-1.011	9.38	-1.107
W	2.70	-.268	4.30	-.213	5.90	-.327	7.59	-.780	9.18	-.982
	2.50	-.256	4.10	-.219	5.70	-.219	7.39	-.577	8.98	-.859
	2.30	-.303	3.90	-.228	5.50	-.171	7.19	-.386	8.78	-.737
I	2.10	-.276	3.70	-.274	5.30	-.160	6.99	-.272	8.58	-.601
			3.50	-.260	5.10	-.169	6.78	-.190	8.38	-.461
			3.00	-.272	4.50	-.196	6.38	-.147	7.98	-.247
N			2.50	-.307	3.50	-.177	5.98	-.159	7.38	-.185
			2.00	-.299	2.50	-.164	5.50	-.161	6.50	-.202
							4.50	-.162	5.50	-.214
G							3.50	-.155	4.50	-.215
							2.50	-.147	3.50	-.216
									2.50	-.219

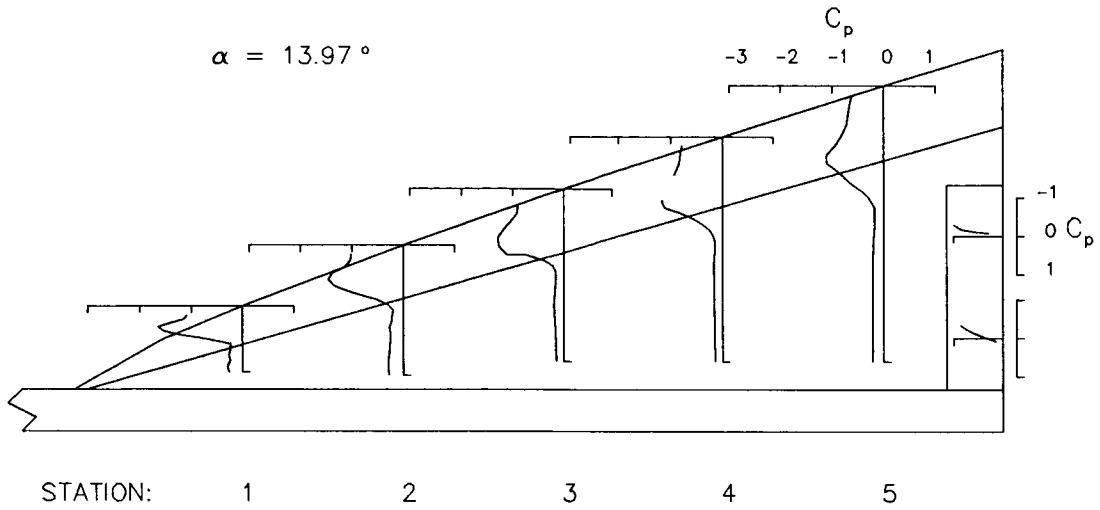
TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.289
46.09	-.357	46.09	-.183
46.34	-.241	46.34	-.145
46.59	-.147	46.59	-.118
46.84	-.064	46.84	-.097
47.09	*****	47.09	-.072
47.34	.071	47.34	*****

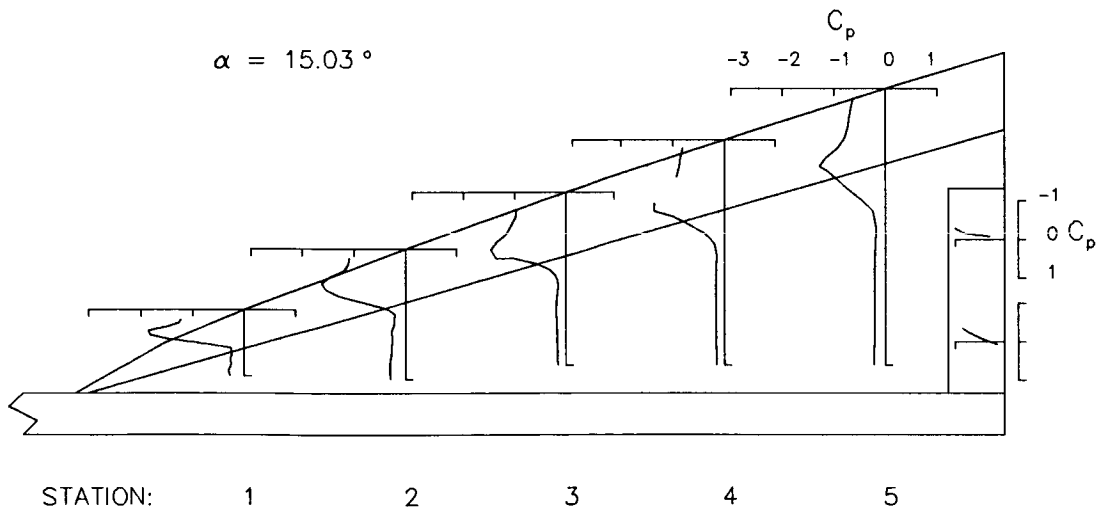
c-2

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 16.748 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5						
	Y	IN.	CP	Y	IN.	CP	Y	IN.	CP	Y	IN.	CP			
L	4.	13	-1.398	6.	32	-1.219	8.	34	-1.030	10.	23	-.851	12.	04	-.671
	3.	99	-1.450	6.	09	-1.257	8.	05	-1.076	9.	90	-.896	11.	68	-.709
E	3.	85	-1.619	5.	86	-1.296	7.	76	*****	9.	57	-.942	11.	32	-.748
	3.	71	-2.084	5.	63	-1.468	7.	46	-1.155	9.	23	-.980	10.	96	-.820
V	3.	57	-2.254	5.	40	-1.821	7.	17	-1.334	8.	90	*****	10.	60	-.912
	3.	43	-1.981	5.	17	-1.934	6.	88	-1.605	8.	57	*****	10.	24	-.879
F	3.	29	-1.329	4.	94	-1.737	6.	59	-1.712	8.	23	-1.532	9.	88	-.875
	3.	10	-.421	4.	70	-1.272	6.	30	-1.555	7.	99	-1.753	9.	58	-1.051
	2.	90	-.255	4.	50	-.591	6.	10	-.956	7.	79	-1.386	9.	38	-1.131
W	2.	70	-.274	4.	30	-.306	5.	90	-.642	7.	59	-1.136	9.	18	-1.119
	2.	50	-.280	4.	10	-.254	5.	70	-.428	7.	39	-.904	8.	98	-1.066
	2.	30	-.330	3.	90	-.246	5.	50	-.296	7.	19	-.723	8.	78	-.975
I	2.	10	-.309	3.	70	-.288	5.	30	-.222	6.	99	-.546	8.	58	-.862
				3.	50	-.273	5.	10	-.193	6.	78	-.392	8.	38	-.753
				3.	00	-.291	4.	50	-.207	6.	38	-.217	7.	98	-.474
N				2.	50	-.337	3.	50	-.200	5.	98	-.176	7.	38	-.280
				2.	00	-.323	2.	50	-.191	5.	50	-.174	6.	50	-.226
										4.	50	-.175	5.	50	-.231
										3.	50	-.172	4.	50	-.234
G										2.	50	-.167	3.	50	-.239
													2.	50	-.236

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.362
46.09	-.417	46.09	-.227
46.34	-.291	46.34	-.167
46.59	-.195	46.59	-.131
46.84	-.108	46.84	-.114
47.09	*****	47.09	-.088
47.34	.045	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 18.954 DEG.

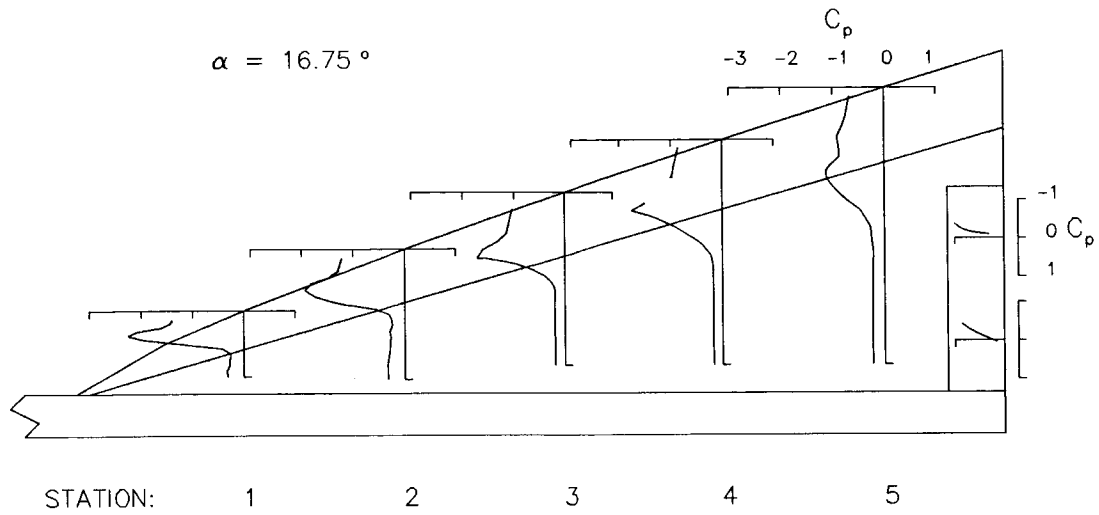
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.668	6.32	-1.351	8.34	-1.131	10.23	- .976	12.04	-.670
E	3.99	-1.689	6.09	-1.407	8.05	-1.186	9.90	- .992	11.68	-.690
	3.85	-1.738	5.86	-1.450	7.76	*****	9.57	-1.034	11.32	-.706
V	3.71	-2.032	5.63	-1.455	7.46	-1.267	9.23	-1.058	10.96	-.719
	3.57	-2.676	5.40	-1.671	7.17	-1.312	8.90	*****	10.60	-.752
F	3.43	-2.673	5.17	-2.142	6.88	-1.496	8.57	*****	10.24	-.761
	3.29	-1.931	4.94	-2.309	6.59	-1.757	8.23	-1.027	9.88	-.766
W	3.10	-.815	4.70	-2.107	6.30	-2.101	7.99	-1.163	9.58	-.797
	2.90	-.340	4.50	-1.019	6.10	-1.488	7.79	-1.338	9.38	-.896
	2.70	-.308	4.30	-.584	5.90	-1.119	7.59	-1.354	9.18	-1.030
	2.50	-.330	4.10	-.410	5.70	-.881	7.39	-1.307	8.98	-1.130
I	2.30	-.383	3.90	-.337	5.50	-.653	7.19	-1.197	8.78	-1.204
	2.10	-.365	3.70	-.358	5.30	-.468	6.99	-1.036	8.58	-1.198
N			3.50	-.313	5.10	-.357	6.78	-.869	8.38	-1.190
			3.00	-.333	4.50	-.263	6.38	-.596	7.98	-1.007
			2.50	-.394	3.50	-.246	5.98	-.384	7.38	-.622
			2.00	-.383	2.50	-.246	5.50	-.304	6.50	-.389
G							4.50	-.248	5.50	-.318
							3.50	-.244	4.50	-.303
							2.50	-.228	3.50	-.297
									2.50	-.282

TRAILING-EDGE FLAP

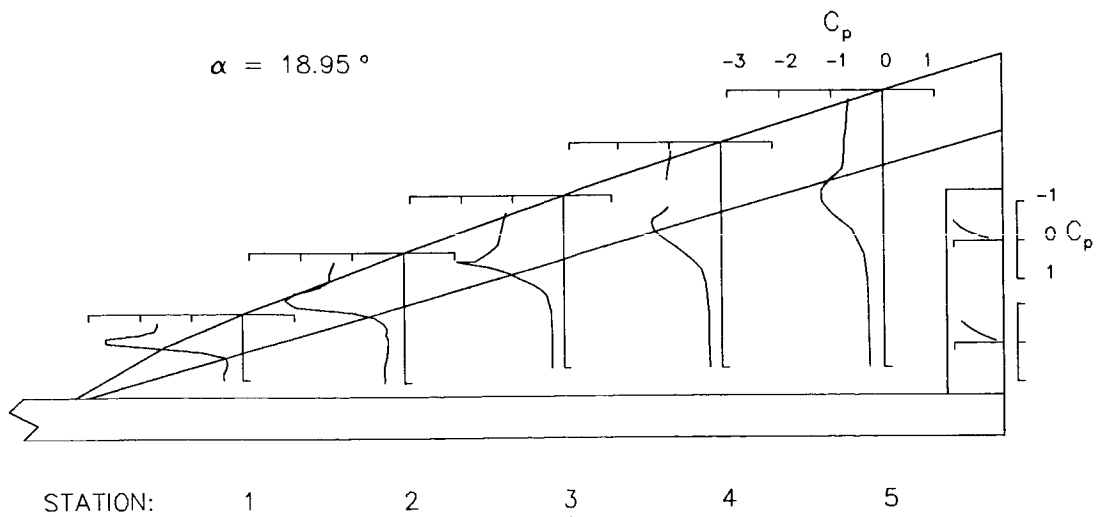
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.505
46.09	-.555	46.09	-.335
46.34	-.415	46.34	-.234
46.59	-.300	46.59	-.164
46.84	-.199	46.84	-.104
47.09	*****	47.09	-.055
47.34	-.053	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 21.146 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.896	6.32	-1.503	8.34	-1.283	10.23	-1.001	12.04	-.652
	3.99	-1.905	6.09	-1.585	8.05	-1.291	9.90	-1.010	11.68	-.677
E	3.85	-1.927	5.86	-1.640	7.76	*****	9.57	-1.035	11.32	-.690
	3.71	-2.039	5.63	-1.701	7.46	-1.388	9.23	-1.086	10.96	-.722
V	3.57	-2.794	5.40	-1.740	7.17	-1.406	8.90	*****	10.60	-.752
	3.43	-3.187	5.17	-1.747	6.88	-1.360	8.57	*****	10.24	-.736
F	3.29	-2.520	4.94	-2.186	6.59	-1.315	8.23	-1.104	9.88	-.737
	3.10	-1.258	4.70	-2.889	6.30	-1.634	7.99	-1.171	9.58	-.759
	2.90	-.536	4.50	-1.540	6.10	-1.629	7.79	-1.295	9.38	-.797
W	2.70	-.429	4.30	-1.044	5.90	-1.527	7.59	-1.443	9.18	-.871
	2.50	-.405	4.10	-.726	5.70	-1.387	7.39	-1.527	8.98	-1.013
	2.30	-.471	3.90	-.560	5.50	-1.194	7.19	-1.541	8.78	-1.188
I	2.10	-.455	3.70	-.530	5.30	-.995	6.99	-1.516	8.58	-1.290
			3.50	-.427	5.10	-.785	6.78	-1.413	8.38	-1.380
			3.00	-.415	4.50	-.483	6.38	-1.158	7.98	-1.358
N			2.50	-.455	3.50	-.366	5.98	-.801	7.78	-.938
			2.00	-.469	2.50	-.328	5.50	-.557	6.50	-.593
G							4.50	-.382	5.50	-.409
							3.50	-.323	4.50	-.360
							2.50	-.298	3.50	-.348
									2.50	-.325

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.585
46.09	-.658	46.09	-.405
46.34	-.514	46.34	-.277
46.59	-.392	46.59	-.186
46.84	-.291	46.84	-.123
47.09	*****	47.09	-.067
47.34	-.170	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 23.536 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-2.137	6.32	-1.649	8.34	-1.356	10.23	-1.027	12.04	-.644
	3.99	-2.118	6.09	-1.715	8.05	-1.374	9.90	-1.045	11.68	-.659
E	3.85	-2.124	5.86	-1.830	7.76	*****	9.57	-1.087	11.32	-.681
	3.71	-2.168	5.63	-1.901	7.46	-1.475	9.23	-1.118	10.96	-.707
V	3.57	-2.501	5.40	-1.930	7.17	-1.475	8.90	*****	10.60	-.727
	3.43	-3.232	5.17	-1.943	6.88	-1.461	8.57	*****	10.24	-.724
F	3.29	-3.504	4.94	-2.021	6.59	-1.429	8.23	-1.119	9.88	-.730
	3.10	-2.114	4.70	-2.778	6.30	-1.682	7.99	-1.163	9.58	-.738
	2.90	-.925	4.50	-1.948	6.10	-1.796	7.79	-1.284	9.38	-.753
W	2.70	-.643	4.30	-1.570	5.90	-1.854	7.59	-1.441	9.18	-.770
	2.50	-.541	4.10	-1.206	5.70	-1.835	7.39	-1.586	8.98	-.835
	2.30	-.590	3.90	-.934	5.50	-1.694	7.19	-1.667	8.78	-.971
I	2.10	-.560	3.70	-.858	5.30	-1.508	6.99	-1.702	8.58	-1.109
			3.50	-.671	5.10	-1.305	6.78	-1.678	8.38	-1.253
			3.00	-.571	4.50	-.777	6.38	-1.504	7.98	-1.375
N			2.50	-.612	3.50	-.508	5.98	-1.129	7.78	-1.143
			2.00	-.575	2.50	-.439	5.50	-.808	6.50	-.843
G							4.50	-.525	5.50	-.612
							3.50	-.447	4.50	-.518
							2.50	-.390	3.50	-.467
									2.50	-.367

TRAILING-EDGE FLAP

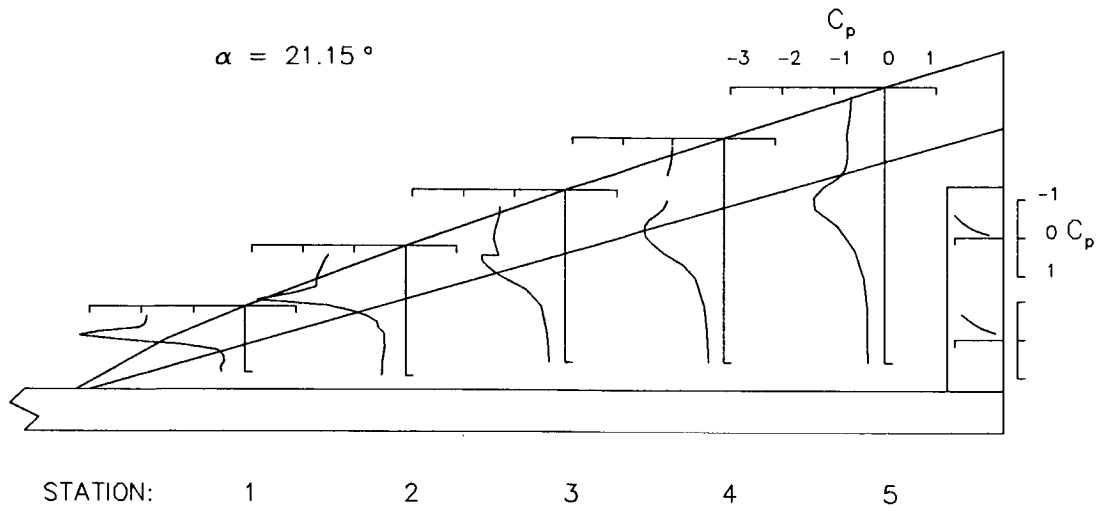
INBOARD

OUTBOARD

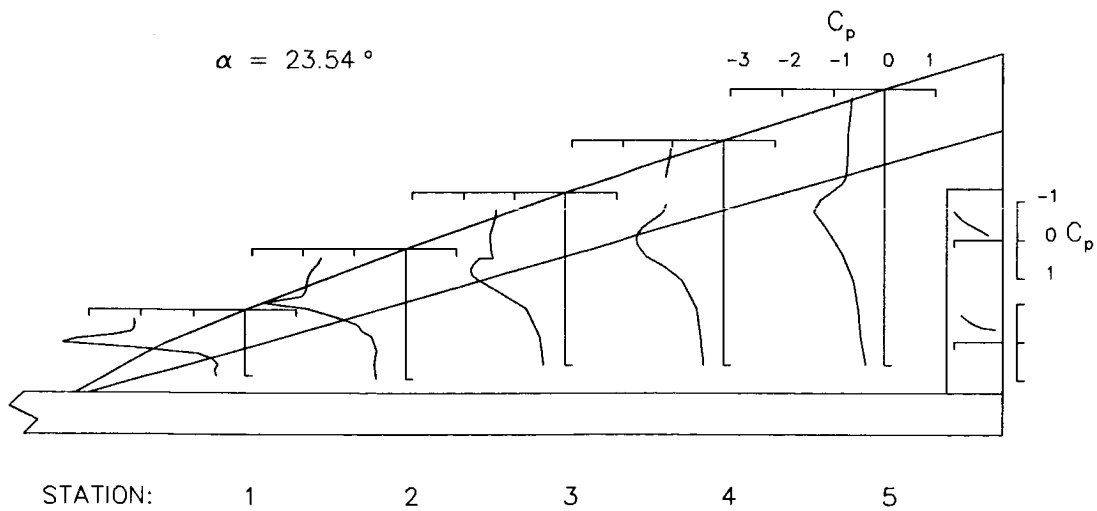
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.736
46.09	-.695	46.09	-.539
46.34	-.556	46.34	-.421
46.59	-.445	46.59	-.319
46.84	-.377	46.84	-.225
47.09	*****	47.09	-.119
47.34	-.324	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= .002 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.067	6.32	.065	8.34	.057	10.23	.056	12.04	.028
	3.99	.069	6.09	.050	8.05	.043	9.90	.034	11.68	-.009
E	3.85	.040	5.86	.034	7.76	*****	9.57	.015	11.32	-.028
	3.71	.025	5.63	.020	7.46	.017	9.23	.000	10.96	-.035
V	3.57	.016	5.40	.004	7.17	.002	8.90	*****	10.60	-.068
	3.43	.002	5.17	-.016	6.88	-.017	8.57	*****	10.24	-.088
F	3.29	-.017	4.94	-.059	6.59	-.048	8.23	-.065	9.88	-.130
	3.10	-.106	4.70	-.190	6.30	-.109	7.99	-.115	9.58	-.172
	3.90	-.042	4.50	-.112	6.10	-.058	7.79	-.091	9.38	-.159
W	3.70	-.036	4.30	-.060	5.90	-.051	7.59	-.075	9.18	-.151
	3.50	-.048	4.10	-.058	5.70	-.050	7.39	-.074	8.98	-.153
	3.30	-.051	3.90	-.057	5.50	-.050	7.19	-.069	8.78	-.157
I	3.10	-.037	3.70	-.075	5.30	-.048	6.99	-.074	8.58	-.160
			3.50	-.062	5.10	-.048	6.78	-.074	8.38	-.169
			3.00	-.068	4.50	-.044	6.38	-.083	7.98	-.171
N			2.50	-.112	3.50	-.030	5.98	-.071	7.38	-.166
			2.00	-.092	2.50	-.023	5.50	-.061	6.50	-.165
G							4.50	-.057	5.50	-.171
							3.50	-.055	4.50	-.172
							2.50	-.044	3.50	-.173
									2.50	-.173

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.295
46.34	-.312
46.59	-.322
46.84	-.334
47.09	-.334
47.34	-.324

OUTBOARD

X IN.	CP
45.84	-.307
46.09	-.310
46.34	-.318
46.59	-.328
46.84	-.334
47.09	-.330
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 2.112 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.018	6.32	.011	8.34	.007	10.23	-.001	12.04	-.028
	3.99	.022	6.09	.016	8.05	.002	9.90	-.011	11.68	-.047
E	3.85	-.010	5.86	-.008	7.76	*****	9.57	-.027	11.32	-.065
	3.71	-.021	5.63	-.027	7.46	-.027	9.23	-.040	10.96	-.070
V	3.57	-.040	5.40	-.044	7.17	-.048	8.90	*****	10.60	-.107
	3.43	-.054	5.17	-.062	6.88	-.067	8.57	*****	10.24	-.128
F	3.29	-.071	4.94	-.114	6.59	-.097	8.23	-.118	9.88	-.174
	3.10	-.180	4.70	-.254	6.30	-.171	7.99	-.176	9.58	-.222
	3.90	-.097	4.50	-.150	6.10	-.110	7.79	-.137	9.38	-.197
W	3.70	-.080	4.30	-.107	5.90	-.095	7.59	-.119	9.18	-.187
	3.50	-.079	4.10	-.100	5.70	-.091	7.39	-.110	8.98	-.184
	3.30	-.089	3.90	-.096	5.50	-.087	7.19	-.105	8.78	-.189
I	3.10	-.073	3.70	-.112	5.30	-.085	6.99	-.112	8.58	-.188
			3.50	-.097	5.10	-.083	6.78	-.107	8.38	-.192
			3.00	-.102	4.50	-.075	6.38	-.114	7.98	-.195
N			2.50	-.138	3.50	-.056	5.98	-.098	7.38	-.184
			2.00	-.122	2.50	-.046	5.50	-.084	6.50	-.179
G							4.50	-.077	5.50	-.181
							3.50	-.073	4.50	-.181
							2.50	-.061	3.50	-.181
									2.50	-.180

TRAILING-EDGE FLAP

INBOARD

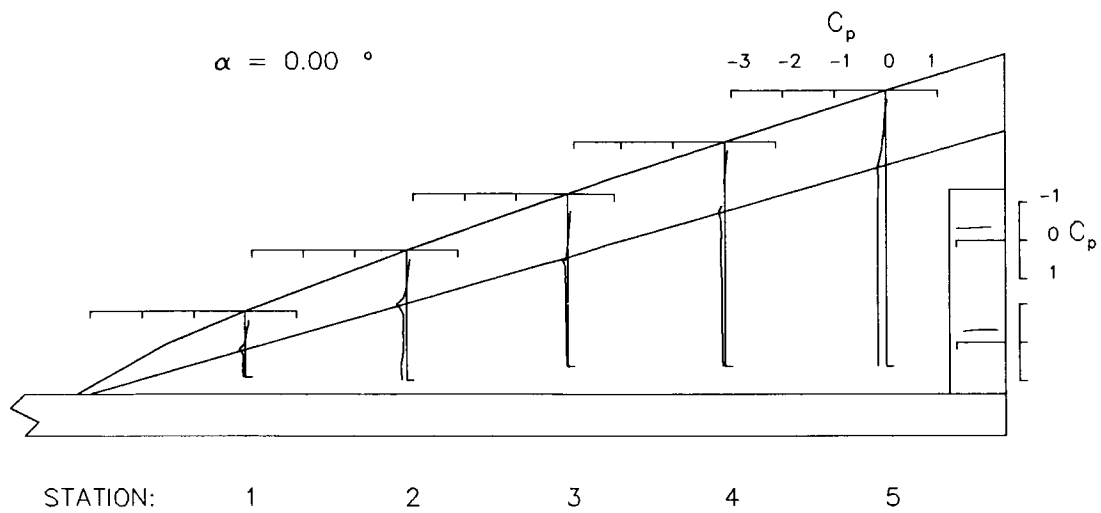
X IN.	CP
45.84	*****
46.09	-.293
46.34	-.306
46.59	-.318
46.84	-.326
47.09	-.327
47.34	-.323

OUTBOARD

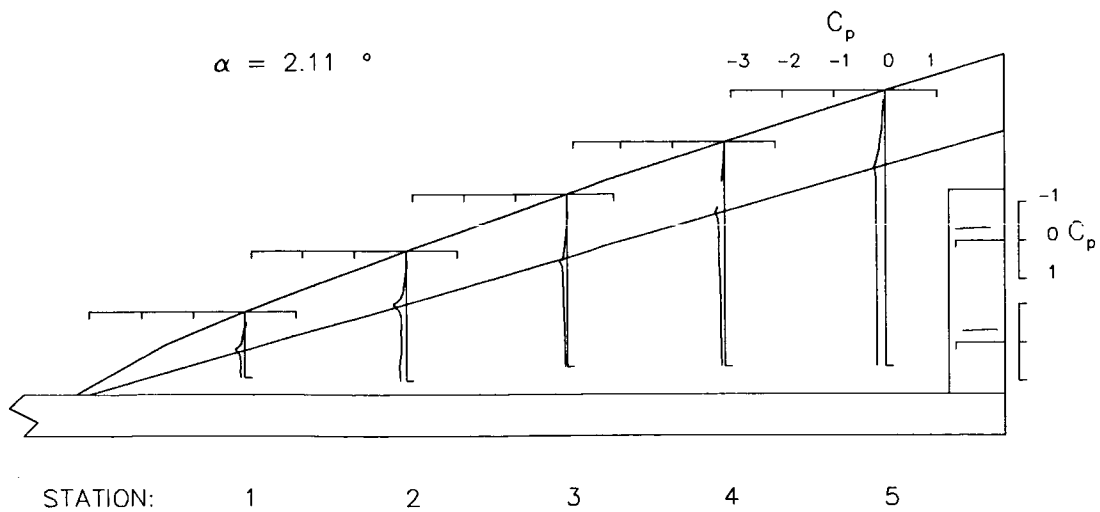
X IN.	CP
45.84	-.303
46.09	-.308
46.34	-.315
46.59	-.324
46.84	-.333
47.09	-.329
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 4.043 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.048	6.32	-.058	8.34	-.062	10.23	-.071	12.04	-.092
	3.99	-.035	6.09	-.045	8.05	-.065	9.90	-.071	11.68	-.106
E	3.85	-.066	5.86	-.064	7.76	*****	9.57	-.083	11.32	-.118
	3.71	-.076	5.63	-.079	7.46	-.080	9.23	-.092	10.96	-.116
V	3.57	-.095	5.40	-.098	7.17	-.100	8.90	*****	10.60	-.152
	3.43	-.105	5.17	-.114	6.88	-.115	8.57	*****	10.24	-.174
F	3.29	-.125	4.94	-.173	6.59	-.156	8.23	-.173	9.88	-.227
	3.10	-.246	4.70	-.327	6.30	-.230	7.99	-.242	9.58	-.273
	2.90	-.142	4.50	-.191	6.10	-.159	7.79	-.187	9.38	-.243
W	2.70	-.122	4.30	-.148	5.90	-.137	7.59	-.165	9.18	-.223
	2.50	-.101	4.10	-.140	5.70	-.128	7.39	-.152	8.98	-.218
I	2.30	-.124	3.90	-.132	5.50	-.126	7.19	-.144	8.78	-.221
	2.10	-.109	3.70	-.147	5.30	-.120	6.99	-.144	8.58	-.213
			3.50	-.130	5.10	-.117	6.78	-.140	8.38	-.221
N			3.00	-.130	4.50	-.104	6.38	-.142	7.98	-.217
			2.50	-.166	3.50	-.078	5.98	-.124	7.38	-.201
			2.00	-.149	2.50	-.067	5.50	-.108	6.50	-.191
G							4.50	-.095	5.50	-.189
							3.50	-.089	4.50	-.191
							2.50	-.076	3.50	-.191
									2.50	-.189

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.295
46.34	-.303
46.59	-.316
46.84	-.322
47.09	-.325
47.34	-.315

OUTBOARD

X IN.	CP
45.84	-.307
46.09	-.309
46.34	-.318
46.59	-.328
46.84	-.337
47.09	-.338
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 6.115 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.184	6.32	-.340	8.34	-.312	10.23	-.316	12.04	-.331
	3.99	-.181	6.09	-.222	8.05	-.328	9.90	-.328	11.68	-.353
E	3.85	-.142	5.86	-.091	7.76	*****	9.57	-.294	11.32	-.356
	3.71	-.126	5.63	-.117	7.46	-.131	9.23	-.168	10.96	-.222
V	3.57	-.139	5.40	-.143	7.17	-.122	8.90	*****	10.60	-.167
	3.43	-.161	5.17	-.170	6.88	-.155	8.57	*****	10.24	-.176
F	3.29	-.181	4.94	-.234	6.59	-.202	8.23	-.210	9.88	-.251
	3.10	-.304	4.70	-.398	6.30	-.293	7.99	-.286	9.58	-.307
	2.90	-.194	4.50	-.244	6.10	-.211	7.79	-.233	9.38	-.274
W	2.70	-.170	4.30	-.197	5.90	-.182	7.59	-.203	9.18	-.258
	2.50	-.133	4.10	-.186	5.70	-.167	7.39	-.190	8.98	-.249
I	2.30	-.169	3.90	-.177	5.50	-.161	7.19	-.178	8.78	-.246
	2.10	-.147	3.70	-.189	5.30	-.153	6.99	-.179	8.58	-.244
			3.50	-.170	5.10	-.150	6.78	-.171	8.38	-.246
N			3.00	-.166	4.50	-.130	6.38	-.169	7.98	-.239
			2.50	-.203	3.50	-.107	5.98	-.147	7.38	-.224
			2.00	-.183	2.50	-.092	5.50	-.132	6.50	-.212
G							4.50	-.121	5.50	-.207
							3.50	-.112	4.50	-.208
							2.50	-.093	3.50	-.204
									2.50	-.197

TRAILING-EDGE FLAP

INBOARD

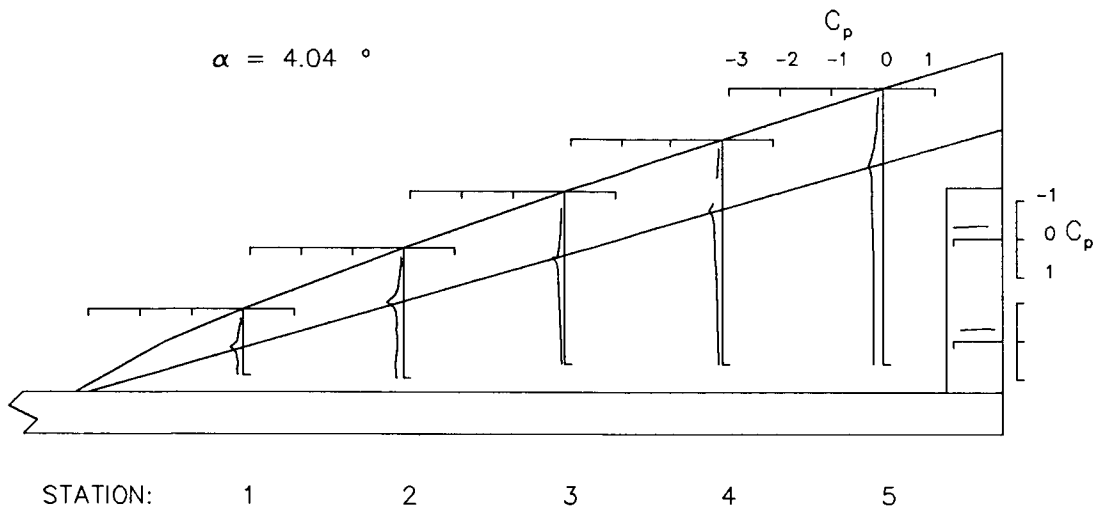
X IN.	CP
45.84	*****
46.09	-.310
46.34	-.314
46.59	-.317
46.84	-.326
47.09	-.330
47.34	-.322

OUTBOARD

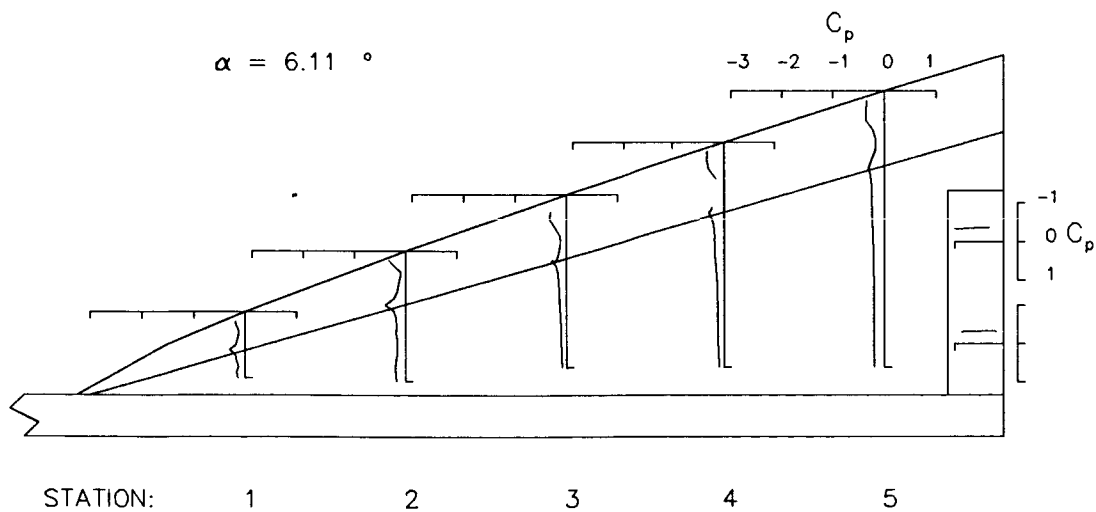
X IN.	CP
45.84	-.334
46.09	-.334
46.34	-.347
46.59	-.355
46.84	-.363
47.09	-.362
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 8.179 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.475	6.32	-.495	8.34	-.485	10.23	-.486	12.04	-.482
	3.99	-.487	6.09	-.534	8.05	-.495	9.90	-.494	11.68	-.493
E	3.85	-.507	5.86	-.590	7.76	*****	9.57	-.522	11.32	-.521
	3.71	-.397	5.63	-.491	7.46	-.533	9.23	-.533	10.96	-.542
V	3.57	-.255	5.40	-.261	7.17	-.421	8.90	*****	10.60	-.528
	3.43	-.181	5.17	-.130	6.88	-.225	8.57	*****	10.24	-.387
F	3.29	-.184	4.94	-.223	6.59	-.159	8.23	-.196	9.88	-.286
	3.10	-.356	4.70	-.457	6.30	-.296	7.99	-.234	9.58	-.250
	2.90	-.228	4.50	-.283	6.10	-.226	7.79	-.225	9.38	-.253
W	2.70	-.201	4.30	-.228	5.90	-.204	7.59	-.211	9.18	-.251
	2.50	-.158	4.10	-.222	5.70	-.193	7.39	-.201	8.98	-.253
	2.30	-.203	3.90	-.212	5.50	-.188	7.19	-.191	8.78	-.253
I	2.10	-.192	3.70	-.231	5.30	-.177	6.99	-.194	8.58	-.255
			3.50	-.201	5.10	-.174	6.78	-.191	8.38	-.250
			3.30	-.195	4.90	-.155	6.58	-.190	8.18	-.252
N			3.10	-.221	4.70	-.131	6.38	-.167	7.98	-.238
			2.90	-.221	4.50	-.113	6.18	-.147	7.78	-.238
							5.98	-.135	7.58	-.223
G							5.78	-.128	7.38	-.219
							5.58	-.111	7.18	-.219
							5.38		6.98	-.218
							5.18		6.78	-.206

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.341
46.09	-.341	46.09	-.345
46.34	-.339	46.34	-.353
46.59	-.343	46.59	-.361
46.84	-.346	46.84	-.373
47.09	-.350	47.09	-.374
47.34	-.342	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 9.076 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.583	6.32	-.581	8.34	-.568	10.23	-.551	12.04	-.533
	3.99	-.619	6.09	-.610	8.05	-.578	9.90	-.564	11.68	-.554
E	3.85	-.645	5.86	-.679	7.76	*****	9.57	-.612	11.32	-.573
	3.71	-.611	5.63	-.677	7.46	-.676	9.23	-.638	10.96	-.606
V	3.57	-.432	5.40	-.530	7.17	-.600	8.90	*****	10.60	-.629
	3.43	-.248	5.17	-.257	6.88	-.403	8.57	*****	10.24	-.543
F	3.29	-.170	4.94	-.193	6.59	-.188	8.23	-.317	9.88	-.424
	3.10	-.364	4.70	-.444	6.30	-.270	7.99	-.205	9.58	-.280
	2.90	-.239	4.50	-.299	6.10	-.211	7.79	-.201	9.38	-.263
W	2.70	-.214	4.30	-.240	5.90	-.202	7.59	-.194	9.18	-.249
	2.50	-.167	4.10	-.234	5.70	-.196	7.39	-.193	8.98	-.245
	2.30	-.214	3.90	-.221	5.50	-.192	7.19	-.189	8.78	-.250
I	2.10	-.206	3.70	-.241	5.30	-.184	6.99	-.196	8.58	-.246
			3.50	-.214	5.10	-.183	6.78	-.195	8.38	-.250
			3.30	-.205	4.90	-.163	6.58	-.195	8.18	-.253
N			3.10	-.233	4.70	-.134	6.38	-.171	7.98	-.238
			2.90	-.237	4.50	-.122	6.18	-.154	7.78	-.227
							5.98	-.140	7.58	-.223
G							5.78	-.133	7.38	-.222
							5.58	-.119	7.18	-.222
							5.38		6.98	-.221
							5.18		6.78	-.213

TRAILING-EDGE FLAP

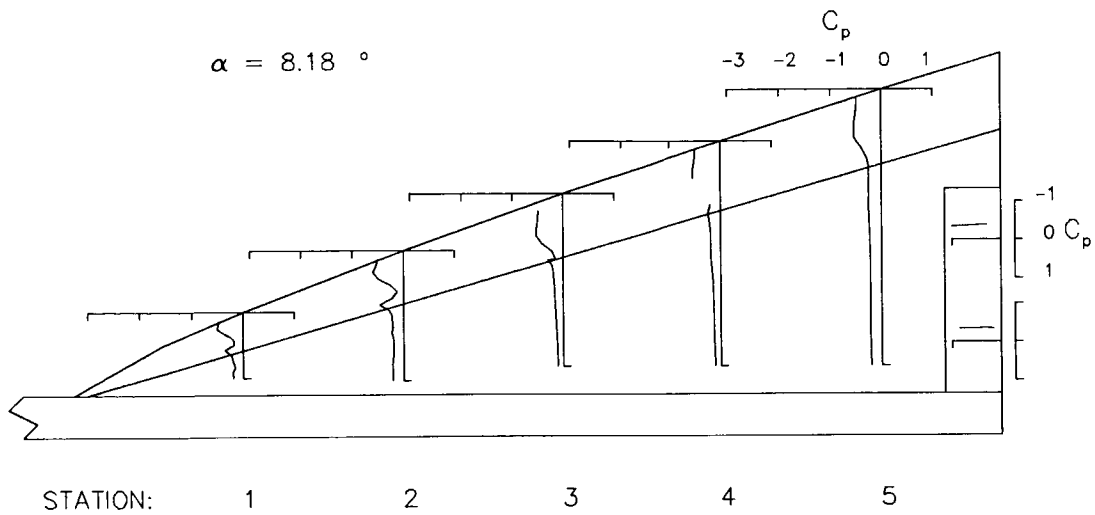
INBOARD

OUTBOARD

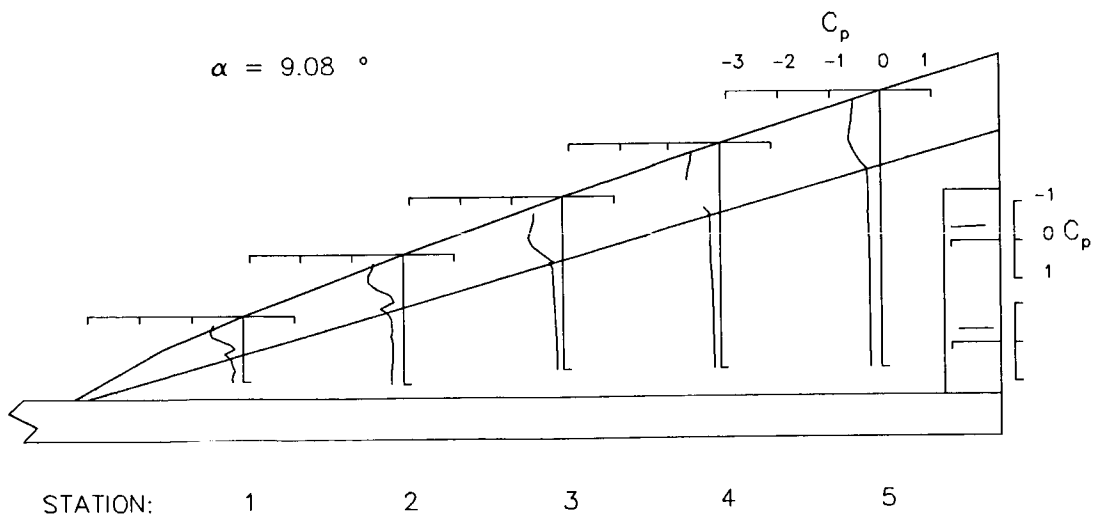
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.334
46.09	-.357	46.09	-.340
46.34	-.357	46.34	-.355
46.59	-.351	46.59	-.363
46.84	-.355	46.84	-.368
47.09	-.360	47.09	-.369
47.34	-.348	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 10.005 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.662	6.32	-.667	8.34	-.637	10.23	-.617	12.04	-.576
	3.99	-.719	6.09	-.690	8.05	-.655	9.90	-.637	11.68	-.597
E	3.85	-.823	5.86	-.773	7.76	*****	9.57	-.683	11.32	-.626
	3.71	-.831	5.63	-.806	7.46	-.800	9.23	-.751	10.96	-.668
V	3.57	-.632	5.40	-.731	7.17	-.747	8.90	*****	10.60	-.706
	3.43	-.375	5.17	-.479	6.88	-.628	8.57	*****	10.24	-.680
F	3.29	-.171	4.94	-.237	6.59	-.283	8.23	-.450	9.88	-.585
	3.10	-.353	4.70	-.413	6.30	-.236	7.99	-.232	9.58	-.365
	2.90	-.247	4.50	-.302	6.10	-.190	7.79	-.196	9.38	-.321
W	2.70	-.228	4.30	-.237	5.90	-.192	7.59	-.181	9.18	-.280
	2.50	-.174	4.10	-.231	5.70	-.190	7.39	-.176	8.98	-.254
	2.30	-.226	3.90	-.225	5.50	-.193	7.19	-.178	8.78	-.232
I	2.10	-.210	3.70	-.246	5.30	-.188	6.99	-.187	8.58	-.231
			3.50	-.221	5.10	-.190	6.78	-.186	8.38	-.232
			3.00	-.213	4.50	-.173	6.38	-.196	7.98	-.241
N			2.50	-.243	3.50	-.140	5.98	-.177	7.38	-.235
			2.00	-.249	2.50	-.126	5.50	-.157	6.50	-.229
							4.50	-.142	5.50	-.222
G							3.50	-.135	4.50	-.222
							2.50	-.125	3.50	-.221
									2.50	-.217

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.330
46.09	-.354	46.09	-.337
46.34	-.355	46.34	-.347
46.59	-.360	46.59	-.359
46.84	-.361	46.84	-.366
47.09	-.365	47.09	-.365
47.34	-.350	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 10.980 DEG.

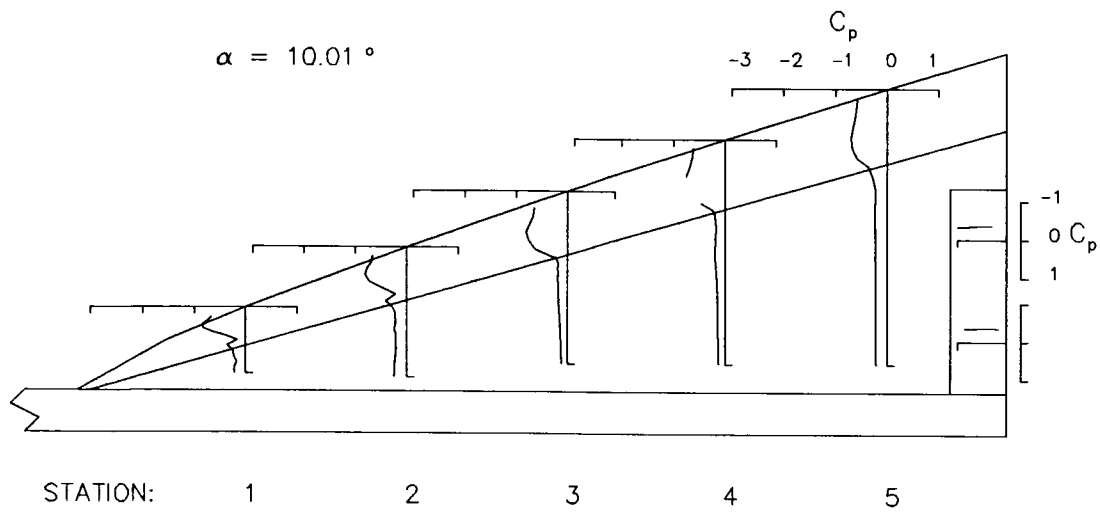
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.778	6.32	-.752	8.34	-.721	10.23	-.676	12.04	-.613
	3.99	-.815	6.09	-.786	8.05	-.730	9.90	-.696	11.68	-.636
E	3.85	-.986	5.86	-.907	7.76	*****	9.57	-.746	11.32	-.668
	3.71	-1.004	5.63	-.955	7.46	-.942	9.23	-.845	10.96	-.718
V	3.57	-.849	5.40	-.914	7.17	-.906	8.90	*****	10.60	-.782
	3.43	-.557	5.17	-.705	6.88	-.795	8.57	*****	10.24	-.768
F	3.29	-.243	4.94	-.360	6.59	-.503	8.23	-.641	9.88	-.769
	3.10	-.328	4.70	-.372	6.30	-.232	7.99	-.349	9.58	-.575
	2.90	-.253	4.50	-.294	6.10	-.171	7.79	-.236	9.38	-.419
W	2.70	-.240	4.30	-.234	5.90	-.176	7.59	-.184	9.18	-.381
	2.50	-.187	4.10	-.237	5.70	-.184	7.39	-.165	8.98	-.295
	2.30	-.242	3.90	-.231	5.50	-.187	7.19	-.156	8.78	-.234
I	2.10	-.222	3.70	-.257	5.30	-.190	6.99	-.174	8.58	-.209
			3.50	-.230	5.10	-.194	6.78	-.180	8.38	-.201
			3.00	-.224	4.50	-.181	6.38	-.196	7.98	-.218
N			2.50	-.252	3.50	-.146	5.98	-.184	7.38	-.230
			2.00	-.254	2.50	-.134	5.50	-.161	6.50	-.227
							4.50	-.146	5.50	-.226
G							3.50	-.138	4.50	-.222
							2.50	-.130	3.50	-.224
									2.50	-.223

TRAILING-EDGE FLAP

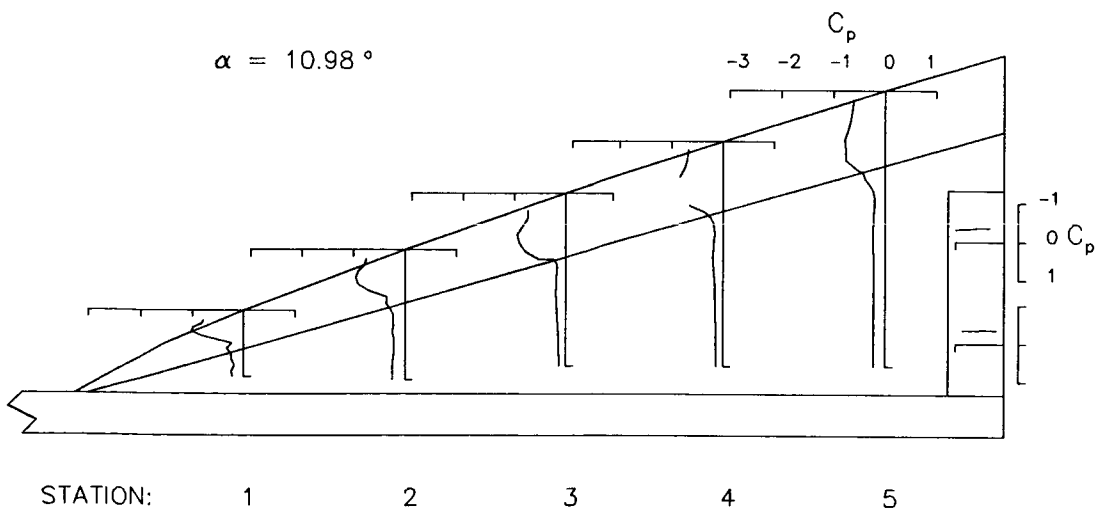
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.328
46.09	-.349	46.09	-.334
46.34	-.353	46.34	-.341
46.59	-.357	46.59	-.356
46.84	-.360	46.84	-.364
47.09	-.362	47.09	-.362
47.34	-.349	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 12.018 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.890	6.32	-.855	8.34	-.793	10.23	-.733	12.04	-.637
	3.99	-.951	6.09	-.871	8.05	-.816	9.90	-.753	11.68	-.668
E	3.85	-1.146	5.86	-1.003	7.76	*****	9.57	-.794	11.32	-.697
	3.71	-1.208	5.63	-1.119	7.46	-1.053	9.23	-.918	10.96	-.739
V	3.57	-1.076	5.40	-1.126	7.17	-1.075	8.90	*****	10.60	-.854
	3.43	-.778	5.17	-.942	6.88	-.979	8.57	*****	10.24	-.879
F	3.29	-.379	4.94	-.543	6.59	-.713	8.23	-.848	9.88	-.923
	3.10	-.282	4.70	-.345	6.30	-.338	7.99	-.648	9.58	-.801
	2.90	-.254	4.50	-.283	6.10	-.174	7.79	-.387	9.38	-.648
W	2.70	-.253	4.30	-.225	5.90	-.161	7.59	-.243	9.18	-.525
	2.50	-.199	4.10	-.236	5.70	-.168	7.39	-.168	8.98	-.390
	2.30	-.258	3.90	-.234	5.50	-.178	7.19	-.146	8.78	-.305
I	2.10	-.230	3.70	-.266	5.30	-.184	6.99	-.155	8.58	-.215
			3.50	-.241	5.10	-.194	6.78	-.160	8.38	-.190
			3.00	-.234	4.50	-.188	6.38	-.185	7.98	-.184
N			2.50	-.265	3.50	-.154	5.98	-.183	7.38	-.218
			2.00	-.260	2.50	-.141	5.50	-.165	6.50	-.224
							4.50	-.151	5.50	-.226
G							3.50	-.143	4.50	-.224
							2.50	-.136	3.50	-.225
									2.50	-.227

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.331
46.09	-.345	46.09	-.335
46.34	-.346	46.34	-.344
46.59	-.352	46.59	-.353
46.84	-.356	46.84	-.363
47.09	-.362	47.09	-.362
47.34	-.349	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 13.056 DEG.

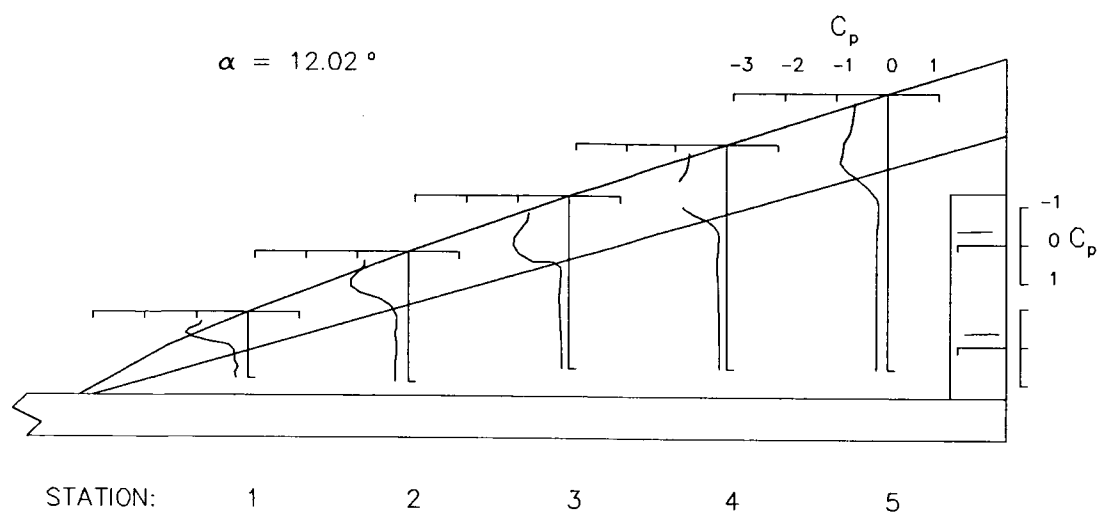
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.995	6.32	-.934	8.34	-.867	10.23	-.784	12.04	-.649
	3.99	-1.063	6.09	-.964	8.05	-.891	9.90	-.805	11.68	-.697
E	3.85	-1.289	5.86	-1.113	7.76	*****	9.57	-.837	11.32	-.723
	3.71	-1.439	5.63	-1.275	7.46	-1.150	9.23	-.954	10.96	-.755
V	3.57	-1.297	5.40	-1.282	7.17	-1.170	8.90	*****	10.60	-.884
	3.43	-1.022	5.17	-1.145	6.88	-1.156	8.57	*****	10.24	-.961
F	3.29	-.547	4.94	-.780	6.59	-.952	8.23	-1.052	9.88	-1.062
	3.10	-.251	4.70	-.393	6.30	-.492	7.99	-.857	9.58	-.996
	2.90	-.249	4.50	-.274	6.10	-.239	7.79	-.585	9.38	-.836
W	2.70	-.256	4.30	-.211	5.90	-.169	7.59	-.389	9.18	-.697
	2.50	-.211	4.10	-.228	5.70	-.160	7.39	-.249	8.98	-.568
	2.30	-.274	3.90	-.235	5.50	-.171	7.19	-.176	8.78	-.399
I	2.10	-.246	3.70	-.274	5.30	-.177	6.99	-.151	8.58	-.296
			3.50	-.249	5.10	-.188	6.78	-.141	8.38	-.231
			3.00	-.249	4.50	-.196	6.38	-.173	7.98	-.172
N			2.50	-.279	3.50	-.164	5.98	-.180	7.38	-.200
			2.00	-.273	2.50	-.148	5.50	-.167	6.50	-.218
							4.50	-.158	5.50	-.229
G							3.50	-.150	4.50	-.228
							2.50	-.145	3.50	-.231
									2.50	-.233

TRAILING-EDGE FLAP

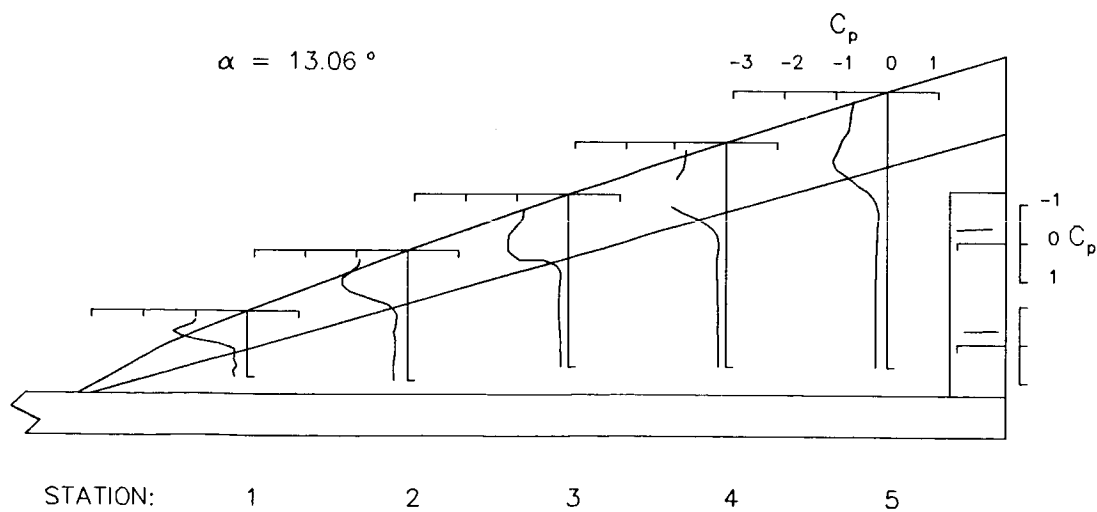
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.336
46.09	-.350	46.09	-.343
46.34	-.348	46.34	-.349
46.59	-.351	46.59	-.358
46.84	-.363	46.84	-.370
47.09	-.364	47.09	-.370
47.34	-.357	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 14.030 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.107	6.32	-1.031	8.34	-.930	10.23	-.816	12.04	-.663
	3.99	-1.162	6.09	-1.051	8.05	-.949	9.90	-.853	11.68	-.710
E	3.85	-1.437	5.86	-1.158	7.76	*****	9.57	-.878	11.32	-.736
	3.71	-1.643	5.63	-1.425	7.46	-1.210	9.23	-.967	10.96	-.758
V	3.57	-1.569	5.40	-1.479	7.17	-1.307	8.90	*****	10.60	-.874
	3.43	-1.253	5.17	-1.368	6.88	-1.325	8.57	*****	10.24	-.994
F	3.29	-.731	4.94	-1.031	6.59	-1.160	8.23	-1.240	9.88	-1.163
	3.10	-.237	4.70	-.542	6.30	-.751	7.99	-1.148	9.58	-1.175
	2.90	-.244	4.50	-.293	6.10	-.377	7.79	-.827	9.38	-.992
W	2.70	-.267	4.30	-.205	5.90	-.231	7.59	-.591	9.18	-.884
	2.50	-.226	4.10	-.226	5.70	-.173	7.39	-.404	8.98	-.726
	2.30	-.290	3.90	-.237	5.50	-.160	7.19	-.250	8.78	-.596
I	2.10	-.260	3.70	-.276	5.30	-.167	6.99	-.180	8.58	-.426
			3.50	-.233	5.10	-.183	6.78	-.150	8.38	-.323
			3.30	-.262	4.90	-.199	6.58	-.159	8.18	-.187
N			3.10	-.262	4.70	-.176	6.38	-.174	7.98	-.192
			2.90	-.296	4.50	-.161	6.18	-.166	7.78	-.217
			2.70	-.283			5.98	-.166	7.58	-.231
							5.78	-.166	7.38	-.230
G							5.58	-.160	7.18	-.235
							5.38	-.149	6.98	-.240
							5.18		6.78	
							4.98		6.58	
							4.78		6.38	
							4.58		6.18	
							4.38		5.98	
							4.18		5.78	
							3.98		5.58	
							3.78		5.38	
							3.58		5.18	
							3.38		4.98	
							3.18		4.78	
							2.98		4.58	
							2.78		4.38	
							2.58		4.18	
							2.38		3.98	
							2.18		3.78	
							1.98		3.58	
							1.78		3.38	
							1.58		3.18	
							1.38		2.98	
							1.18		2.78	
							0.98		2.58	
							0.78		2.38	
							0.58		2.18	
							0.38		1.98	
							0.18		1.78	
							0.00		1.58	

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.357
46.34	-.362
46.59	-.364
46.84	-.374
47.09	-.377
47.34	-.371

OUTBOARD

X IN.	CP
45.84	-.343
46.09	-.349
46.34	-.359
46.59	-.369
46.84	-.379
47.09	-.379
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 15.010 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.210	6.32	-1.103	8.34	-.980	10.23	-.845	12.04	-.666
	3.99	-1.263	6.09	-1.133	8.05	-1.007	9.90	-.890	11.68	-.720
E	3.85	-1.511	5.86	-1.207	7.76	*****	9.57	-.917	11.32	-.750
	3.71	-1.859	5.63	-1.500	7.46	-1.192	9.23	-.961	10.96	-.778
V	3.57	-1.831	5.40	-1.633	7.17	-1.393	8.90	*****	10.60	-.843
	3.43	-1.490	5.17	-1.580	6.88	-1.458	8.57	*****	10.24	-.973
F	3.29	-.921	4.94	-1.270	6.59	-1.375	8.23	-1.401	9.88	-1.222
	3.10	-.258	4.70	-.767	6.30	-1.034	7.99	-1.399	9.58	-1.331
	2.90	-.242	4.50	-.358	6.10	-.557	7.79	-1.042	9.38	-1.141
W	2.70	-.272	4.30	-.217	5.90	-.328	7.59	-.791	9.18	-1.023
	2.50	-.240	4.10	-.218	5.70	-.218	7.39	-.576	8.98	-.905
	2.30	-.308	3.90	-.233	5.50	-.178	7.19	-.395	8.78	-.764
I	2.10	-.277	3.70	-.280	5.30	-.166	6.99	-.281	8.58	-.596
			3.50	-.262	5.10	-.177	6.78	-.191	8.38	-.458
			3.30	-.274	4.90	-.206	6.58	-.159	8.18	-.248
			3.10	-.305	4.70	-.186	6.38	-.169	7.98	-.195
N			2.90	-.297	4.50	-.174	6.18	-.169	7.78	-.216
			2.70				5.98	-.173	7.58	-.235
							5.78	-.164	7.38	-.241
							5.58	-.156	7.18	-.243
G							5.38		6.98	-.249
							5.18		6.78	
							4.98		6.58	
							4.78		6.38	
							4.58		6.18	
							4.38		5.98	
							4.18		5.78	
							3.98		5.58	
							3.78		5.38	
							3.58		5.18	
							3.38		4.98	
							3.18		4.78	
							2.98		4.58	
							2.78		4.38	
							2.58		4.18	
							2.38		3.98	
							2.18		3.78	
							1.98		3.58	
							1.78		3.38	
							1.58		3.18	
							1.38		2.98	
							1.18		2.78	
							0.98		2.58	
							0.78		2.38	
							0.58		2.18	
							0.38		1.98	
							0.18		1.78	
							0.00		1.58	

TRAILING-EDGE FLAP

INBOARD

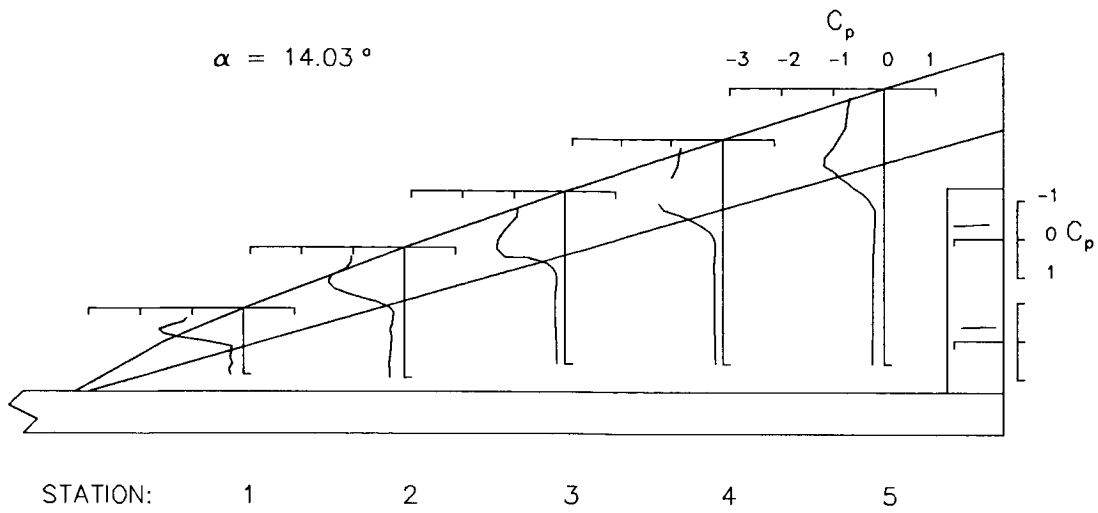
X IN.	CP
45.84	*****
46.09	-.384
46.34	-.382
46.59	-.383
46.84	-.390
47.09	-.398
47.34	-.397

OUTBOARD

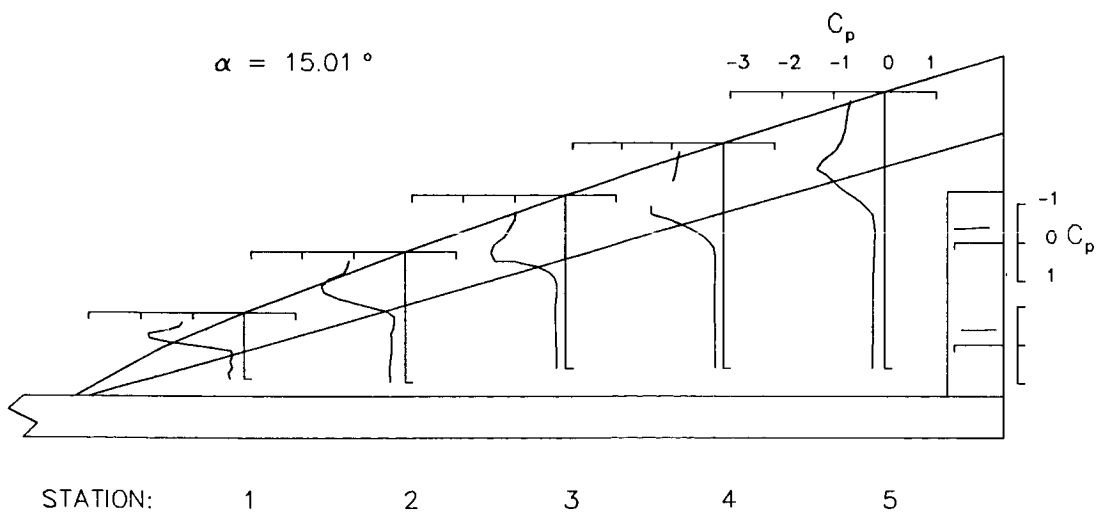
X IN.	CP
45.84	-.358
46.09	-.362
46.34	-.371
46.59	-.383
46.84	-.396
47.09	-.398
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 30 DEG.

TEFL DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 16.863 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.426	6.32	-1.230	8.34	-1.060	10.23	-.891	12.04	-.713
	3.99	-1.469	6.09	-1.272	8.05	-1.090	9.90	-.942	11.68	-.748
E	3.85	-1.619	5.86	-1.305	7.76	*****	9.57	-.977	11.32	-.797
	3.71	-2.090	5.63	-1.476	7.46	-1.176	9.23	-1.014	10.96	-.864
V	3.57	-2.279	5.40	-1.838	7.17	-1.339	8.90	*****	10.60	-.935
	3.43	-2.027	5.17	-1.981	6.88	-1.640	8.57	*****	10.24	-.907
F	3.29	-1.352	4.94	-1.755	6.59	-1.785	8.23	-1.557	9.88	-.910
	3.10	-.442	4.70	-1.306	6.30	-1.617	7.99	-1.819	9.58	-1.070
	2.90	-.267	4.50	-.595	6.10	-.996	7.79	-1.437	9.38	-1.158
W	2.70	-.285	4.30	-.313	5.90	-.683	7.59	-1.163	9.18	-1.159
	2.50	-.268	4.10	-.262	5.70	-.449	7.39	-.946	8.98	-1.124
	2.30	-.340	3.90	-.248	5.50	-.309	7.19	-.758	8.78	-1.041
I	2.10	-.317	3.70	-.299	5.30	-.240	6.99	-.562	8.58	-.924
			3.50	-.277	5.10	-.211	6.78	-.421	8.38	-.794
			3.00	-.299	4.50	-.214	6.38	-.237	7.98	-.511
N			2.50	-.340	3.50	-.211	5.98	-.196	7.38	-.295
			2.00	-.328	2.50	-.201	5.50	-.186	6.50	-.246
							4.50	-.191	5.50	-.255
G							3.50	-.187	4.50	-.263
							2.50	-.182	3.50	-.275
									2.50	-.274

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.412
46.09	-.460	46.09	-.420
46.34	-.458	46.34	-.427
46.59	-.457	46.59	-.444
46.84	-.476	46.84	-.460
47.09	-.483	47.09	-.460
47.34	-.483	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 30 DEG.

TEFL DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 19.033 DEG.

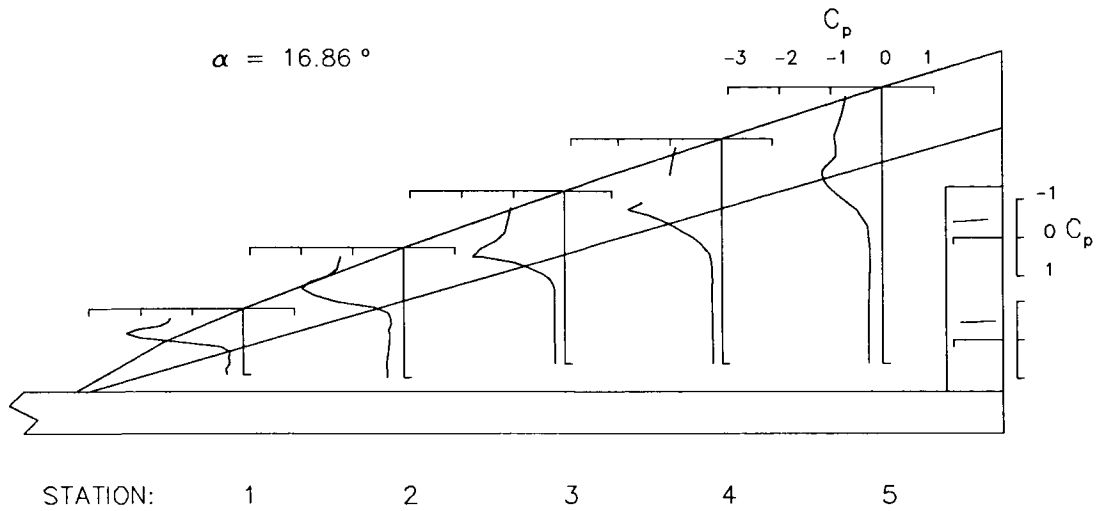
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.674	6.32	-1.370	8.34	-1.156	10.23	-1.009	12.04	-.702
	3.99	-1.695	6.09	-1.432	8.05	-1.207	9.90	-1.028	11.68	-.729
E	3.85	-1.750	5.86	-1.470	7.76	*****	9.57	-1.063	11.32	-.748
	3.71	-2.040	5.63	-1.471	7.46	-1.312	9.23	-1.103	10.96	-.761
V	3.57	-2.682	5.40	-1.665	7.17	-1.338	8.90	*****	10.60	-.789
	3.43	-2.686	5.17	-2.164	6.88	-1.516	8.57	*****	10.24	-.793
F	3.29	-1.929	4.94	-2.365	6.59	-1.823	8.23	-1.052	9.88	-.804
	3.10	-.841	4.70	-2.215	6.30	-2.106	7.99	-1.198	9.58	-.828
	2.90	-.355	4.50	-1.025	6.10	-1.514	7.79	-1.356	9.38	-.939
W	2.70	-.323	4.30	-.603	5.90	-1.170	7.59	-1.408	9.18	-1.061
	2.50	-.311	4.10	-.422	5.70	-.907	7.39	-1.363	8.98	-1.187
	2.30	-.387	3.90	-.344	5.50	-.685	7.19	-1.244	8.78	-1.249
I	2.10	-.370	3.70	-.378	5.30	-.505	6.99	-1.094	8.58	-1.205
			3.50	-.324	5.10	-.373	6.78	-.916	8.38	-1.242
			3.00	-.340	4.50	-.275	6.38	-.623	7.98	-1.047
N			2.50	-.399	3.50	-.261	5.98	-.438	7.38	-.646
			2.00	-.394	2.50	-.254	5.50	-.327	6.50	-.416
							4.50	-.270	5.50	-.332
G							3.50	-.259	4.50	-.325
							2.50	-.247	3.50	-.325
									2.50	-.312

TRAILING-EDGE FLAP

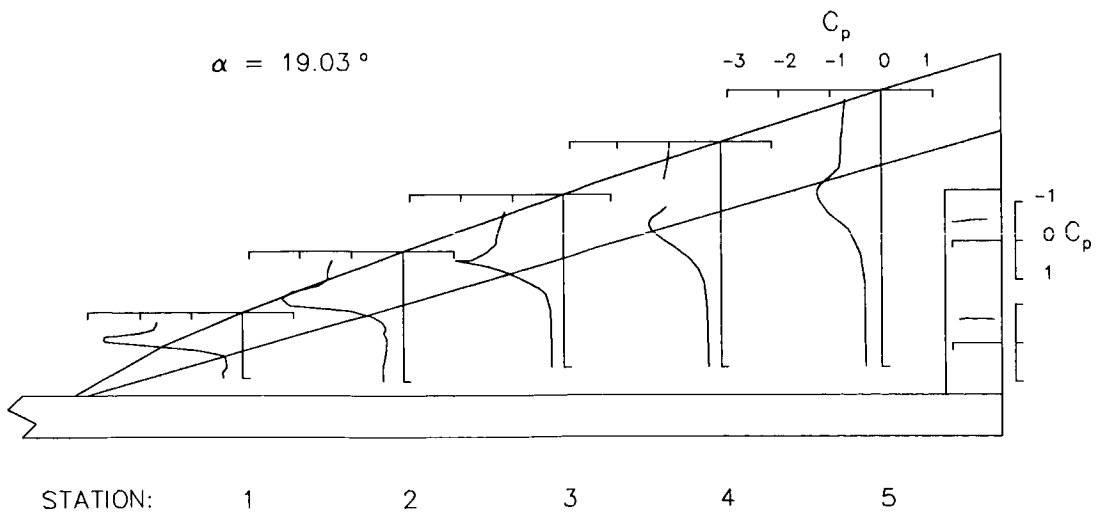
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.485
46.09	-.605	46.09	-.499
46.34	-.643	46.34	-.522
46.59	-.626	46.59	-.541
46.84	-.632	46.84	-.552
47.09	-.628	47.09	-.542
47.34	-.610	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 21.284 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.896	6.32	-1.528	8.34	-1.308	10.23	-1.041	12.04	-.696
	3.99	-1.897	6.09	-1.605	8.05	-1.306	9.90	-1.051	11.68	-.716
E	3.85	-1.911	5.86	-1.676	7.76	*****	9.57	-1.089	11.32	-.739
	3.71	-2.013	5.63	-1.709	7.46	-1.398	9.23	-1.124	10.96	-.780
V	3.57	-2.740	5.40	-1.775	7.17	-1.405	8.90	*****	10.60	-.804
	3.43	-3.198	5.17	-1.763	6.88	-1.355	8.57	*****	10.24	-.789
F	3.29	-2.609	4.94	-2.162	6.59	-1.337	8.23	-1.134	9.88	-.795
	3.10	-1.296	4.70	-2.945	6.30	-1.668	7.99	-1.209	9.58	-.800
	2.90	-.579	4.50	-1.575	6.10	-1.692	7.79	-1.338	9.38	-.830
W	2.70	-.445	4.30	-1.093	5.90	-1.612	7.59	-1.485	9.18	-.909
	2.50	-.399	4.10	-.787	5.70	-1.451	7.39	-1.573	8.98	-1.065
	2.30	-.469	3.90	-.600	5.50	-1.233	7.19	-1.591	8.78	-1.220
I	2.10	-.457	3.70	-.566	5.30	-1.050	6.99	-1.567	8.58	-1.312
			3.50	-.463	5.10	-.833	6.78	-1.484	8.38	-1.421
			3.00	-.447	4.50	-.507	6.38	-1.216	7.98	-1.401
N			2.50	-.485	3.50	-.385	5.98	-.847	7.38	-1.003
			2.00	-.491	2.50	-.351	5.50	-.600	6.50	-.633
							4.50	-.415	5.50	-.436
G							3.50	-.352	4.50	-.382
							2.50	-.324	3.50	-.378
									2.50	-.366

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.584
46.09	-.668	46.09	-.609
46.34	-.695	46.34	-.645
46.59	-.686	46.59	-.672
46.84	-.684	46.84	-.674
47.09	-.695	47.09	-.651
47.34	-.681	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 23.293 DEG.

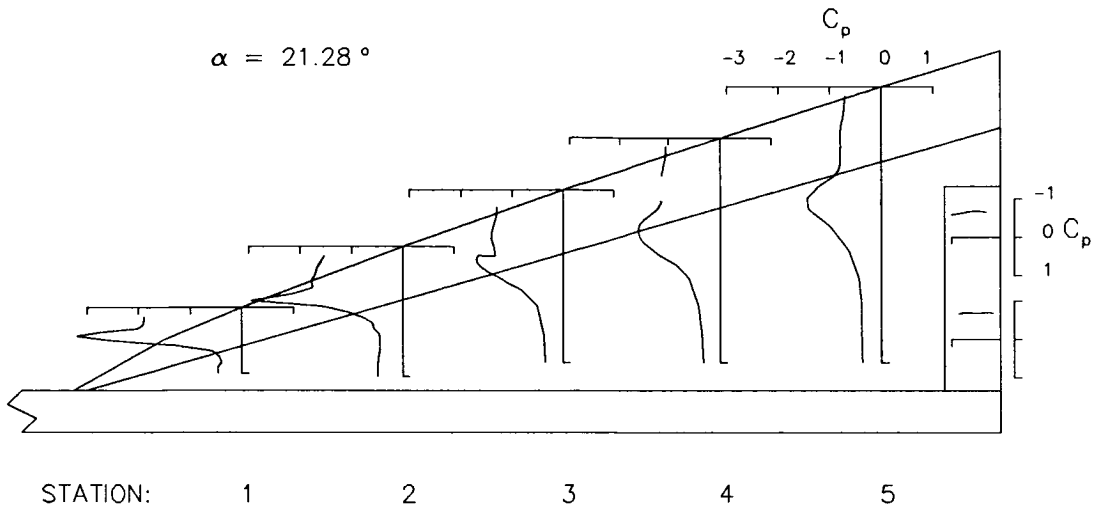
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-2.127	6.32	-1.662	8.34	-1.383	10.23	-1.081	12.04	-.725
	3.99	-2.098	6.09	-1.720	8.05	-1.394	9.90	-1.097	11.68	-.737
E	3.85	-2.112	5.86	-1.834	7.76	*****	9.57	-1.141	11.32	-.761
	3.71	-2.165	5.63	-1.870	7.46	-1.501	9.23	-1.185	10.96	-.787
V	3.57	-2.535	5.40	-1.903	7.17	-1.501	8.90	*****	10.60	-.815
	3.43	-3.310	5.17	-1.956	6.88	-1.484	8.57	*****	10.24	-.798
F	3.29	-3.484	4.94	-2.066	6.59	-1.455	8.23	-1.170	9.88	-.793
	3.10	-2.033	4.70	-2.875	6.30	-1.719	7.99	-1.230	9.58	-.814
	2.90	-.873	4.50	-1.932	6.10	-1.829	7.79	-1.352	9.38	-.825
W	2.70	-.621	4.30	-1.547	5.90	-1.870	7.59	-1.522	9.18	-.860
	2.50	-.506	4.10	-1.195	5.70	-1.804	7.39	-1.652	8.98	-.966
	2.30	-.571	3.90	-.912	5.50	-1.661	7.19	-1.723	8.78	-1.112
I	2.10	-.551	3.70	-.819	5.30	-1.501	6.99	-1.764	8.58	-1.248
			3.50	-.650	5.10	-1.282	6.78	-1.732	8.38	-1.379
			3.00	-.570	4.50	-.756	6.38	-1.520	7.98	-1.466
N			2.50	-.604	3.50	-.496	5.98	-1.113	7.38	-1.169
			2.00	-.572	2.50	-.438	5.50	-.797	6.50	-.845
							4.50	-.531	5.50	-.597
G							3.50	-.447	4.50	-.533
							2.50	-.395	3.50	-.512
									2.50	-.439

TRAILING-EDGE FLAP

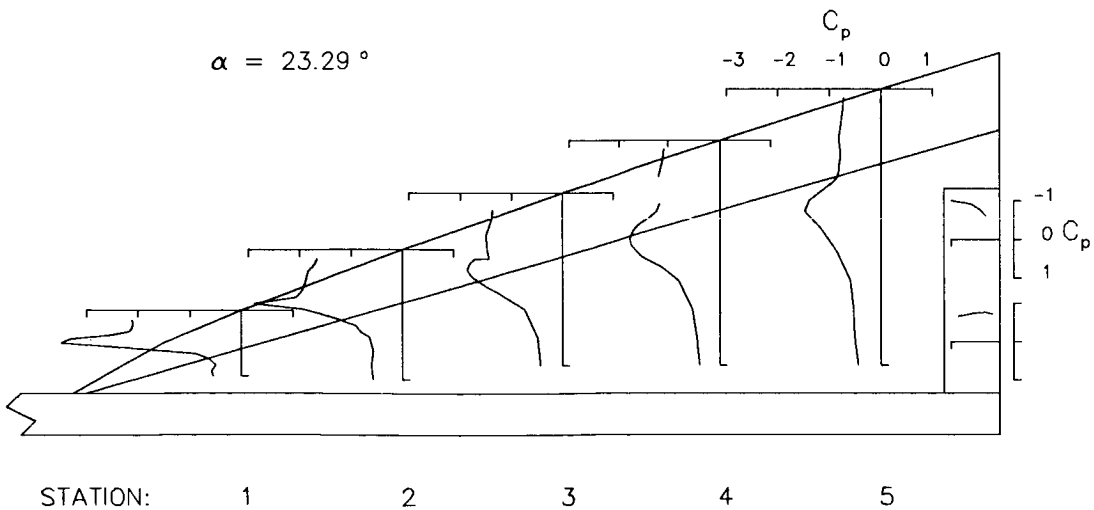
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-1.010
46.09	-.661	46.09	-.975
46.34	-.690	46.34	-.952
46.59	-.732	46.59	-.910
46.84	-.752	46.84	-.792
47.09	-.758	47.09	-.604
47.34	-.712	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= -1.100 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.273	6.32	-.207	8.34	-.142	10.23	-.124	12.04	-.137
	3.99	-.390	6.09	-.217	8.05	-.165	9.90	*****	11.68	-.158
E	3.85	-.344	5.86	-.307	7.76	-.164	9.57	-.150	11.32	-.170
	3.71	-.120	5.63	-.351	7.46	-.273	9.23	-.169	10.96	-.167
V	3.57	-.021	5.40	-.182	7.17	*****	8.90	-.216	10.60	-.221
	3.43	-.026	5.17	-.037	6.88	-.154	8.57	*****	10.24	-.259
F	3.29	-.026	4.94	-.021	6.59	-.057	8.23	-.117	9.88	-.221
	3.10	-.019	4.70	*****	6.30	-.052	7.99	-.082	9.58	-.163
	2.90	-.023	4.50	*****	6.10	-.031	7.79	-.088	9.38	-.186
W	2.70	-.027	4.30	-.029	5.90	-.010	7.59	*****	9.18	-.167
	2.50	-.057	4.10	-.040	5.70	-.010	7.39	-.041	8.98	-.136
	2.30	-.062	3.90	-.040	5.50	-.007	7.19	-.020	8.78	-.096
I	2.10	-.050	3.70	-.075	5.30	-.010	6.99	-.017	8.58	-.076
			3.50	-.054	5.10	-.015	6.78	-.017	8.38	-.061
			3.00	-.069	4.50	-.022	6.38	-.027	7.98	-.052
N			2.50	-.118	3.50	-.023	5.98	-.030	7.38	-.069
			2.00	-.100	2.50	-.020	5.50	-.029	6.50	-.084
							4.50	-.033	5.50	-.096
G							3.50	-.037	4.50	-.100
							2.50	-.028	3.50	-.109
									2.50	-.115

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.255
46.09	-.151	46.09	-.172
46.34	-.095	46.34	-.115
46.59	-.044	46.59	-.070
46.84	.002	46.84	-.029
47.09	*****	47.09	*****
47.34	.098	47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 1.993 DEG.

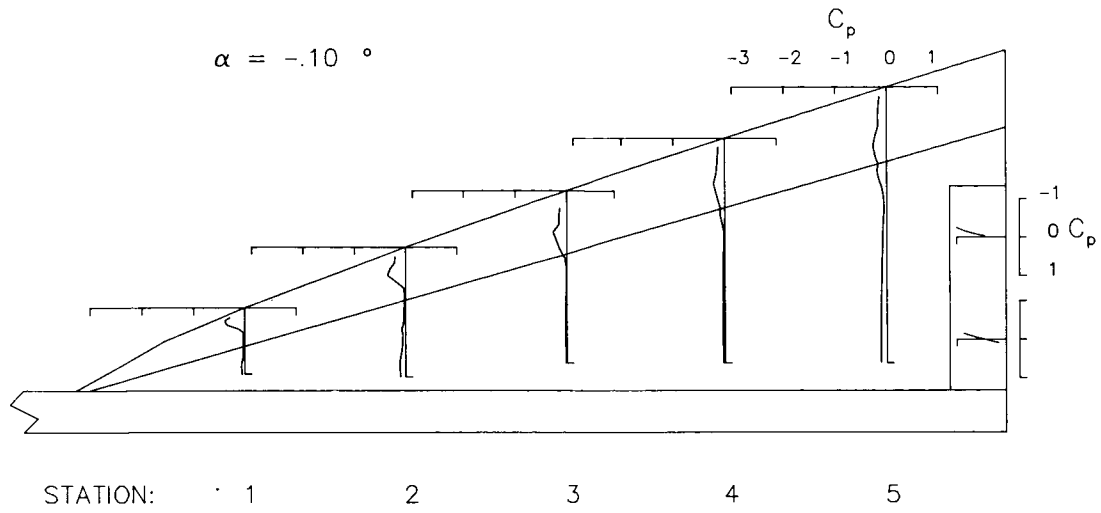
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.109	6.32	-.116	8.34	-.078	10.23	-.076	12.04	-.099
	3.99	-.087	6.09	-.124	8.05	-.078	9.90	*****	11.68	-.103
E	3.85	-.029	5.86	-.095	7.76	-.100	9.57	-.073	11.32	-.109
	3.71	.004	5.63	-.027	7.46	-.087	9.23	-.107	10.96	-.110
V	3.57	.004	5.40	.001	7.17	*****	8.90	.008	10.60	-.130
	3.43	.011	5.17	.014	6.88	.021	8.57	*****	10.24	-.074
F	3.29	.015	4.94	.024	6.59	.031	8.23	.013	9.88	-.059
	3.10	.020	4.70	*****	6.30	.017	7.99	.016	9.58	-.026
	2.90	.023	4.50	*****	6.10	.022	7.79	.018	9.38	-.027
W	2.70	.014	4.30	.006	5.90	.031	7.59	*****	9.18	-.031
	2.50	-.019	4.10	-.001	5.70	.023	7.39	.015	8.98	-.032
	2.30	-.023	3.90	-.007	5.50	.017	7.19	.011	8.78	-.043
I	2.10	-.006	3.70	-.034	5.30	.015	6.99	.004	8.58	-.043
			3.50	-.017	5.10	.010	6.78	-.004	8.38	-.054
			3.00	-.032	4.50	.003	6.38	-.013	7.98	-.064
N			2.50	-.082	3.50	.005	5.98	-.013	7.38	-.072
			2.00	-.066	2.50	.010	5.50	-.011	6.50	-.079
							4.50	-.013	5.50	-.090
G							3.50	-.015	4.50	-.094
							2.50	-.008	3.50	-.098
									2.50	-.101

TRAILING-EDGE FLAP

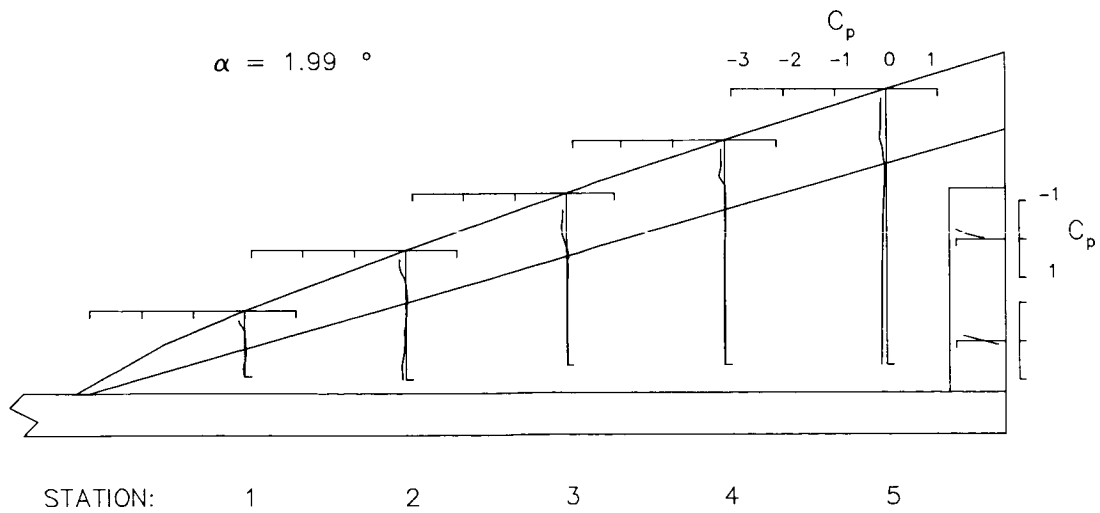
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.253
46.09	-.145	46.09	-.172
46.34	-.093	46.34	-.115
46.59	-.045	46.59	-.071
46.84	.002	46.84	-.030
47.09	*****	47.09	*****
47.34	.094	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 3.957 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.016	6.32	.002	8.34	.007	10.23	-.005	12.04	-.034
	3.99	.043	6.09	.011	8.05	.024	9.90	*****	11.68	-.030
E	3.85	.026	5.86	.027	7.76	.031	9.57	.009	11.32	-.033
	3.71	.033	5.63	.030	7.46	.032	9.23	.014	10.96	-.025
V	3.57	.038	5.40	.030	7.17	*****	8.90	.028	10.60	-.031
	3.43	.044	5.17	.037	6.88	.042	8.57	*****	10.24	-.019
F	3.29	.050	4.94	.044	6.59	.051	8.23	.030	9.88	-.019
	3.10	.061	4.70	*****	6.30	.046	7.99	.031	9.58	-.011
	2.90	.060	4.50	*****	6.10	.046	7.79	.031	9.38	-.017
W	2.70	.053	4.30	.036	5.90	.050	7.59	*****	9.18	-.022
	2.50	.010	4.10	.028	5.70	.045	7.39	.029	8.98	-.026
	2.30	.017	3.90	.021	5.50	.041	7.19	.028	8.78	-.038
I	2.10	.030	3.70	-.007	5.30	.038	6.99	.022	8.58	-.040
			3.50	.012	5.10	.034	6.78	.014	8.38	-.048
N			3.00	.001	4.50	.027	6.38	.006	7.98	-.053
			2.50	-.047	3.50	.028	5.98	.006	7.38	-.060
			2.00	-.034	2.50	.032	5.50	.008	6.50	-.068
G							4.50	.007	5.50	-.076
							3.50	.005	4.50	-.079
							2.50	.013	3.50	-.086
									2.50	-.089

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.252
46.09	-.140	46.09	-.169
46.34	-.090	46.34	-.113
46.59	-.042	46.59	-.070
46.84	.001	46.84	-.032
47.09	*****	47.09	*****
47.34	.088	47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 5.956 DEG.

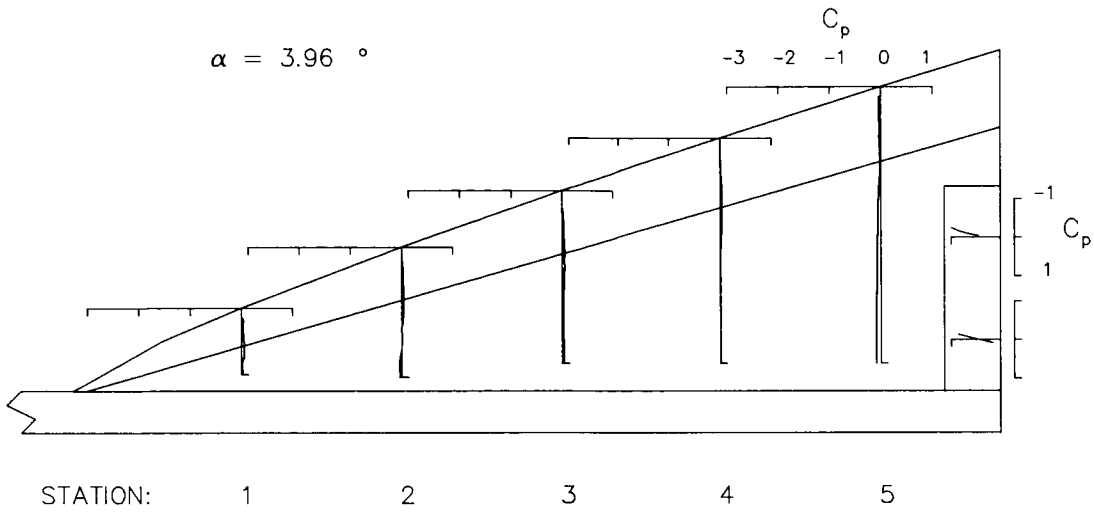
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.073	6.32	.057	8.34	.063	10.23	.047	12.04	.026
	3.99	.087	6.09	.068	8.05	.063	9.90	*****	11.68	-.005
E	3.85	.069	5.86	.063	7.76	.065	9.57	.041	11.32	-.011
	3.71	.073	5.63	.061	7.46	.062	9.23	.038	10.96	-.006
V	3.57	.075	5.40	.061	7.17	*****	8.90	.049	10.60	-.014
	3.43	.078	5.17	.066	6.88	.067	8.57	*****	10.24	-.006
F	3.29	.085	4.94	.073	6.59	.077	8.23	.048	9.88	-.007
	3.10	.092	4.70	*****	6.30	.068	7.99	.050	9.58	.004
	2.90	.092	4.50	*****	6.10	.068	7.79	.049	9.38	-.006
W	2.70	.084	4.30	.063	5.90	.073	7.59	*****	9.18	-.011
	2.50	.037	4.10	.055	5.70	.069	7.39	.050	8.98	-.014
	2.30	.050	3.90	.052	5.50	.063	7.19	.047	8.78	-.025
I	2.10	.062	3.70	.024	5.30	.061	6.99	.042	8.58	-.028
			3.50	.042	5.10	.057	6.78	.036	8.38	-.033
N			3.00	.032	4.50	.055	6.38	.024	7.98	-.041
			2.50	-.019	3.50	.057	5.98	.027	7.38	-.047
			2.00	-.005	2.50	.058	5.50	.029	6.50	-.055
G							4.50	.028	5.50	-.062
							3.50	.024	4.50	-.070
							2.50	.033	3.50	-.073
									2.50	-.076

TRAILING-EDGE FLAP

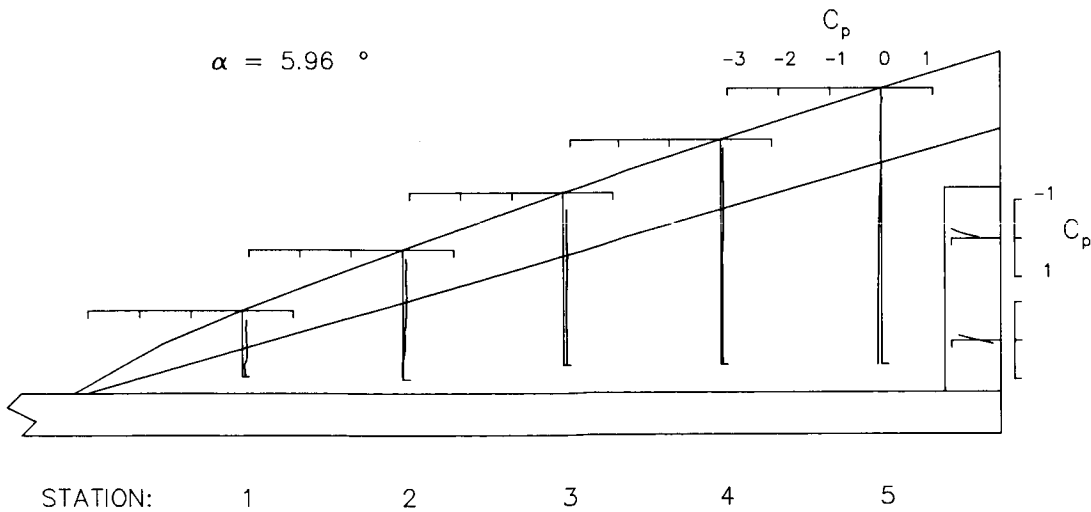
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.249
46.09	-.138	46.09	-.166
46.34	-.086	46.34	-.111
46.59	-.042	46.59	-.066
46.84	-.001	46.84	-.026
47.09	*****	47.09	*****
47.34	.083	47.34	*****

Table V. Continued

$$\delta_{LEV} = 30.0^\circ \quad \delta_{TEF} = 0.0^\circ$$



$$\delta_{LEV} = 30.0^\circ \quad \delta_{EF} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 8.058 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.123	6.32	.102	8.34	.098	10.23	.085	12.04	.047
	3.99	.130	6.09	.107	8.05	.097	9.90	*****	11.68	.021
E	3.85	.114	5.86	.101	7.76	.099	9.57	.069	11.32	.009
	3.71	.113	5.63	.097	7.46	.091	9.23	.063	10.96	.011
V	3.57	.115	5.40	.096	7.17	*****	8.90	.072	10.60	-.001
	3.43	.119	5.17	.100	6.88	.096	8.57	*****	10.24	.008
F	3.29	.121	4.94	.103	6.59	.103	8.23	.069	9.88	.005
	3.10	.128	4.70	*****	6.30	.094	7.99	.072	9.58	.015
	2.90	.128	4.50	*****	6.10	.094	7.79	.072	9.38	.005
W	2.70	.121	4.30	.092	5.90	.098	7.59	*****	9.18	.003
	2.50	.066	4.10	.086	5.70	.094	7.39	.073	8.98	-.002
	2.30	.092	3.90	.084	5.50	.091	7.19	.068	8.78	-.010
I	2.10	.104	3.70	.059	5.30	.091	6.99	.062	8.58	-.012
			3.50	.076	5.10	.089	6.78	.058	8.38	-.019
			3.00	.065	4.50	.082	6.38	.052	7.98	-.024
N			2.50	.017	3.50	.086	5.98	.050	7.38	-.032
			2.00	.029	2.50	.087	5.50	.052	6.50	-.041
G							4.50	.050	5.50	-.049
							3.50	.048	4.50	-.053
							2.50	.055	3.50	-.056
									2.50	-.056

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.244
46.09	-.131	46.09	-.159
46.34	-.078	46.34	-.108
46.59	-.036	46.59	-.061
46.84	.007	46.84	-.020
47.09	*****	47.09	*****
47.34	.091	47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 8.957 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.145	6.32	.120	8.34	.115	10.23	.096	12.04	.054
	3.99	.153	6.09	.120	8.05	.113	9.90	*****	11.68	.030
E	3.85	.132	5.86	.115	7.76	.111	9.57	.078	11.32	.018
	3.71	.135	5.63	.113	7.46	.107	9.23	.076	10.96	.017
V	3.57	.132	5.40	.109	7.17	*****	8.90	.078	10.60	.005
	3.43	.133	5.17	.114	6.88	.106	8.57	*****	10.24	.014
F	3.29	.136	4.94	.117	6.59	.114	8.23	.080	9.88	.010
	3.10	.142	4.70	*****	6.30	.104	7.99	.080	9.58	.020
	2.90	.144	4.50	*****	6.10	.105	7.79	.080	9.38	.012
W	2.70	.138	4.30	.109	5.90	.111	7.59	*****	9.18	.006
	2.50	.081	4.10	.098	5.70	.107	7.39	.080	8.98	.005
	2.30	.110	3.90	.100	5.50	.105	7.19	.078	8.78	-.005
I	2.10	.120	3.70	.075	5.30	.102	6.99	.075	8.58	-.007
			3.50	.090	5.10	.103	6.78	.066	8.38	-.012
			3.00	.079	4.50	.096	6.38	.063	7.98	-.018
N			2.50	.034	3.50	.095	5.98	.063	7.38	-.024
			2.00	.045	2.50	.098	5.50	.062	6.50	-.031
G							4.50	.060	5.50	-.041
							3.50	.059	4.50	-.044
							2.50	.066	3.50	-.051
									2.50	-.049

TRAILING-EDGE FLAP

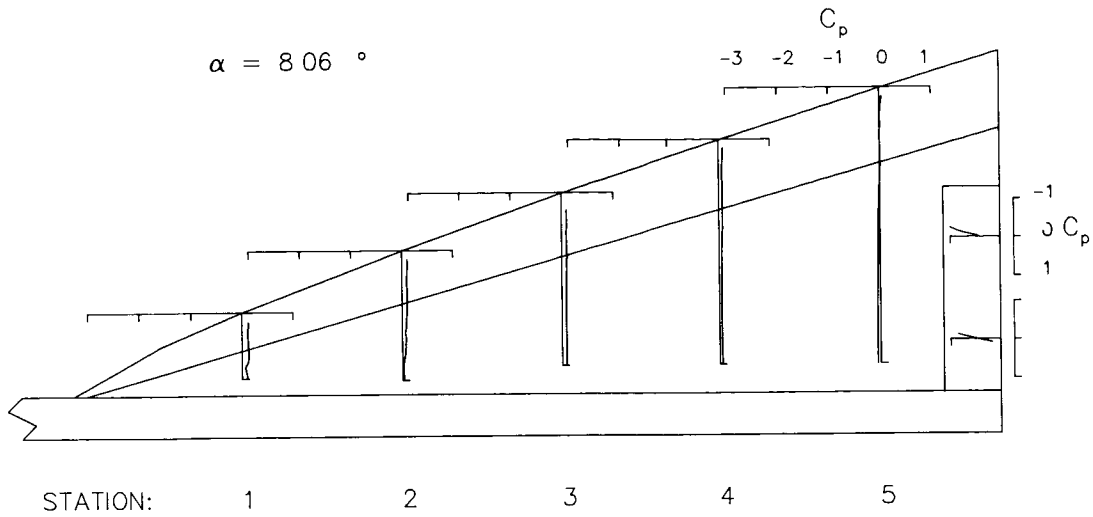
INBOARD

OUTBOARD

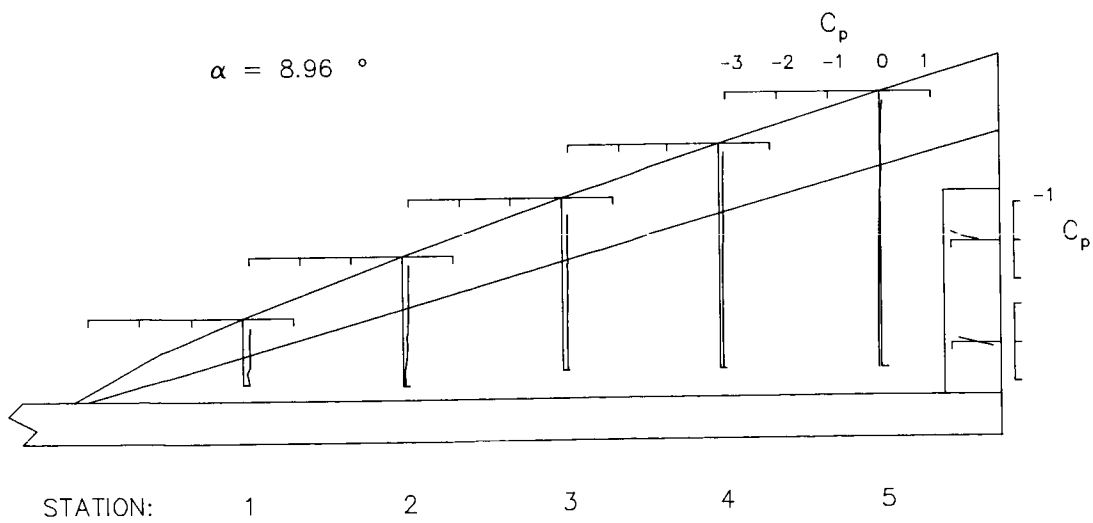
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.242
46.09	-.126	46.09	-.161
46.34	-.077	46.34	-.103
46.59	-.033	46.59	-.061
46.84	.010	46.84	-.023
47.09	*****	47.09	*****
47.34	.097	47.34	*****

Table V. Continued

$$\delta_{LEVF} = 30.0^\circ \quad \delta_{TEF} = 0.0^\circ$$



$$\delta_{LEVF} = 30.0^\circ \quad \delta_{TEF} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 10.025 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.169	6.32	.142	8.34	.129	10.23	.106	12.04	.064
	3.99	.174	6.09	.140	8.05	.128	9.90	*****	11.68	.040
E	3.85	.155	5.86	.135	7.76	.128	9.57	.090	11.32	.027
	3.71	.152	5.63	.132	7.46	.119	9.23	.089	10.96	.028
V	3.57	.152	5.40	.127	7.17	*****	8.90	.093	10.60	.014
	3.43	.156	5.17	.130	6.88	.122	8.57	*****	10.24	.019
F	3.29	.159	4.94	.134	6.59	.129	8.23	.091	9.88	.015
	3.10	.163	4.70	*****	6.30	.120	7.99	.091	9.58	.027
	2.90	.164	4.50	*****	6.10	.120	7.79	.090	9.38	.018
W	2.70	.158	4.30	.123	5.90	.123	7.59	*****	9.18	.014
	2.50	.100	4.10	.118	5.70	.121	7.39	.091	8.98	.009
	2.30	.129	3.90	.118	5.50	.118	7.19	.092	8.78	.001
I	2.10	.144	3.70	.092	5.30	.119	6.99	.086	8.58	.002
			3.50	.109	5.10	.116	6.78	.081	8.38	-.003
			3.00	.101	4.50	.110	6.38	.076	7.98	-.008
N			2.50	.051	3.50	.113	5.98	.074	7.38	-.016
			2.00	.061	2.50	.112	5.50	.076	6.50	-.025
							4.50	.074	5.50	-.033
G							3.50	.071	4.50	-.038
							2.50	.076	3.50	-.039
									2.50	-.042

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.120
46.34	-.072
46.59	-.028
46.84	.015
47.09	*****
47.34	.103

OUTBOARD

X IN.	CP
45.84	-.237
46.09	-.153
46.34	-.097
46.59	-.058
46.84	-.015
47.09	*****
47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 11.028 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.189	6.32	.161	8.34	.139	10.23	.117	12.04	.070
	3.99	.191	6.09	.157	8.05	.142	9.90	*****	11.68	.048
E	3.85	.176	5.86	.151	7.76	.142	9.57	.104	11.32	.036
	3.71	.175	5.63	.148	7.46	.136	9.23	.102	10.96	.036
V	3.57	.176	5.40	.147	7.17	*****	8.90	.106	10.60	.021
	3.43	.175	5.17	.147	6.88	.134	8.57	*****	10.24	.027
F	3.29	.179	4.94	.150	6.59	.143	8.23	.103	9.88	.024
	3.10	.182	4.70	*****	6.30	.133	7.99	.105	9.58	.032
	2.90	.184	4.50	*****	6.10	.134	7.79	.103	9.38	.024
W	2.70	.177	4.30	.139	5.90	.136	7.59	*****	9.18	.021
	2.50	.116	4.10	.135	5.70	.134	7.39	.102	8.98	.019
	2.30	.151	3.90	.134	5.50	.132	7.19	.104	8.78	.011
I	2.10	.164	3.70	.113	5.30	.133	6.99	.097	8.58	.008
			3.50	.129	5.10	.130	6.78	.094	8.38	.005
			3.00	.119	4.50	.127	6.38	.089	7.98	.000
N			2.50	.071	3.50	.128	5.98	.090	7.38	-.007
			2.00	.081	2.50	.129	5.50	.091	6.50	-.018
							4.50	.086	5.50	-.024
G							3.50	.083	4.50	-.030
							2.50	.093	3.50	-.031
									2.50	-.034

TRAILING-EDGE FLAP

INBOARD

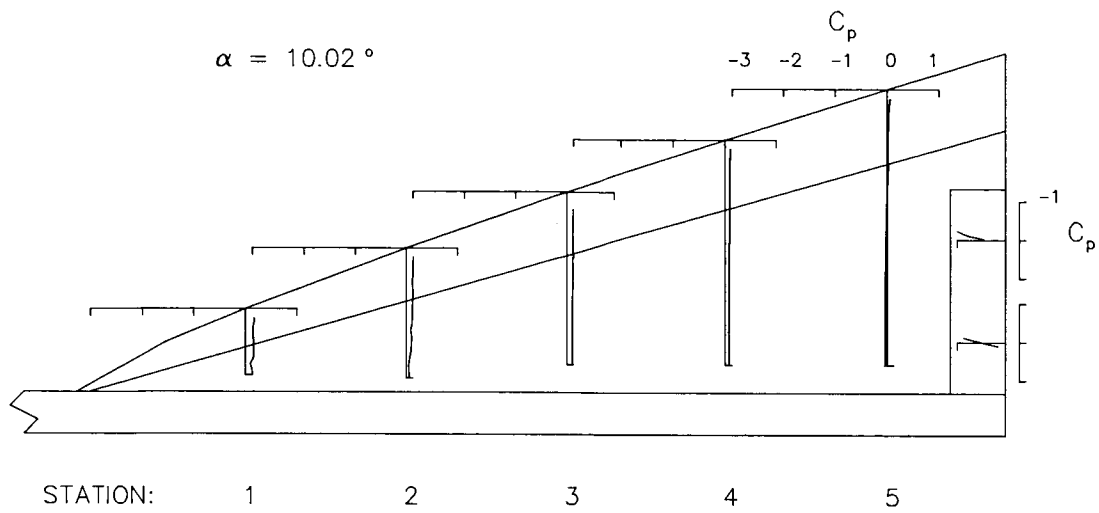
X IN.	CP
45.84	*****
46.09	-.115
46.34	-.067
46.59	-.024
46.84	.019
47.09	*****
47.34	.108

OUTBOARD

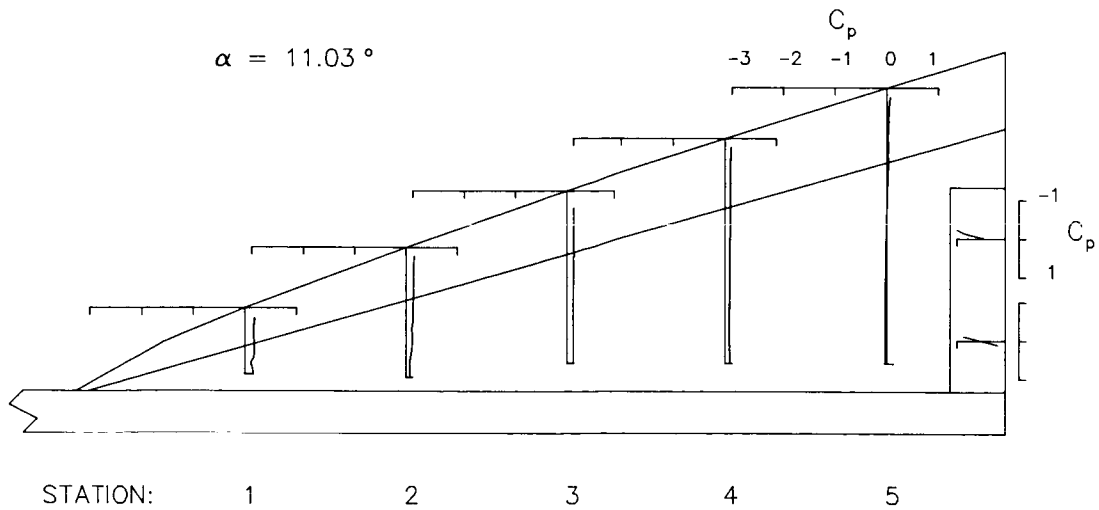
X IN.	CP
45.84	-.233
46.09	-.148
46.34	-.094
46.59	-.054
46.84	-.014
47.09	*****
47.34	*****

Table V. Continued

$$\delta_{LEV} = 30.0^\circ \quad \delta_{TEF} = 0.0^\circ$$



$$\delta_{LEV} = 30.0^\circ \quad \delta_{TEF} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 12.025 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.216	6.32	.172	8.34	.151	10.23	.125	12.04	.077
E	3.99	.214	6.09	.170	8.05	.155	9.90	*****	11.68	.054
	3.85	.196	5.86	.168	7.76	.156	9.57	.115	11.32	.044
V	3.71	.197	5.63	.166	7.46	.151	9.23	.110	10.96	.043
	3.57	.194	5.40	.161	7.17	*****	8.90	.114	10.60	.031
	3.43	.195	5.17	.165	6.88	.149	8.57	*****	10.24	.035
F	3.29	.199	4.94	.169	6.59	.156	8.23	.115	9.88	.028
	3.10	.201	4.70	*****	6.30	.147	7.99	.114	9.58	.040
	2.90	.204	4.50	*****	6.10	.147	7.79	.115	9.38	.031
W	2.70	.198	4.30	.158	5.90	.152	7.59	*****	9.18	.027
	2.50	.134	4.10	.153	5.70	.151	7.39	.114	8.98	.026
	2.30	.177	3.90	.150	5.50	.150	7.19	.114	8.78	.016
I	2.10	.184	3.70	.130	5.30	.145	6.99	.111	8.58	.017
			3.50	.145	5.10	.145	6.78	.107	8.38	.011
			3.00	.139	4.50	.143	6.38	.100	7.98	.009
N			2.50	.090	3.50	.143	6.98	.103	7.38	.001
			2.00	.098	2.50	.144	5.50	.101	6.50	-.008
							4.50	.101	5.50	-.014
G							3.50	.098	4.50	-.017
							2.50	.102	3.50	-.026
									2.50	-.026

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.229
46.09	-.114	46.09	-.149
46.34	-.064	46.34	-.095
46.59	-.019	46.59	-.054
46.84	.022	46.84	-.015
47.09	*****	47.09	*****
47.34	.112	47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 12.998 DEG.

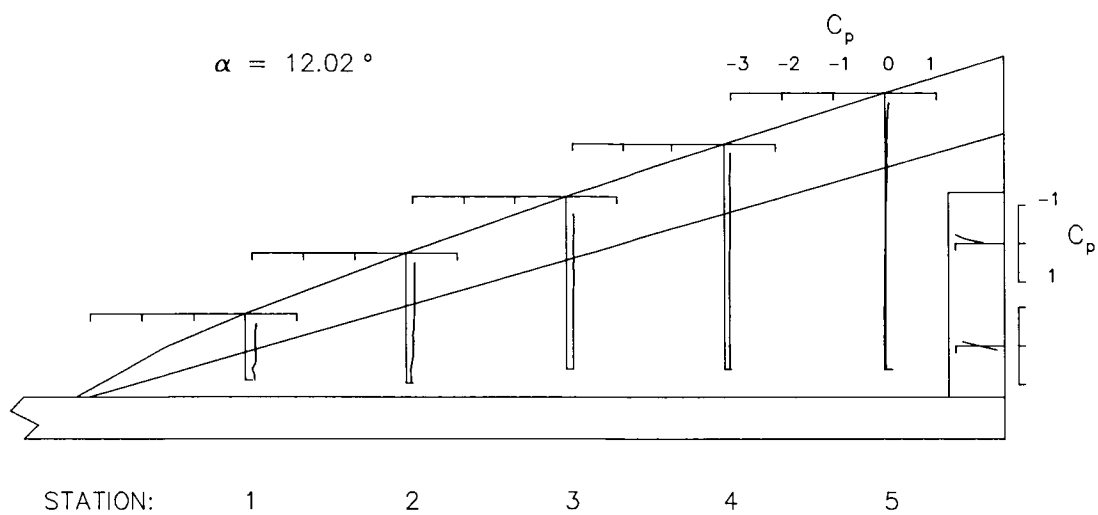
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.240	6.32	.187	8.34	.159	10.23	.133	12.04	.081
E	3.99	.232	6.09	.189	8.05	.169	9.90	*****	11.68	.064
	3.85	.215	5.86	.185	7.76	.171	9.57	.128	11.32	.051
V	3.71	.217	5.63	.184	7.46	.165	9.23	.125	10.96	.052
	3.57	.215	5.40	.181	7.17	*****	8.90	.129	10.60	.038
	3.43	.216	5.17	.183	6.88	.165	8.57	*****	10.24	.041
F	3.29	.216	4.94	.183	6.59	.169	8.23	.127	9.88	.034
	3.10	.219	4.70	*****	6.30	.160	7.99	.129	9.58	.046
	2.90	.221	4.50	*****	6.10	.159	7.79	.128	9.38	.038
W	2.70	.219	4.30	.174	5.90	.166	7.59	*****	9.18	.033
	2.50	.153	4.10	.168	5.70	.165	7.39	.128	8.98	.033
	2.30	.195	3.90	.169	5.50	.162	7.19	.126	8.78	.024
I	2.10	.210	3.70	.147	5.30	.164	6.99	.123	8.58	.026
			3.50	.165	5.10	.161	6.78	.117	8.38	.019
			3.00	.158	4.50	.157	6.38	.115	7.98	.017
N			2.50	.109	3.50	.157	5.98	.114	7.38	.007
			2.00	.118	2.50	.159	5.50	.117	6.50	.001
							4.50	.114	5.50	-.005
G							3.50	.110	4.50	-.013
							2.50	.116	3.50	-.014
									2.50	-.016

TRAILING-EDGE FLAP

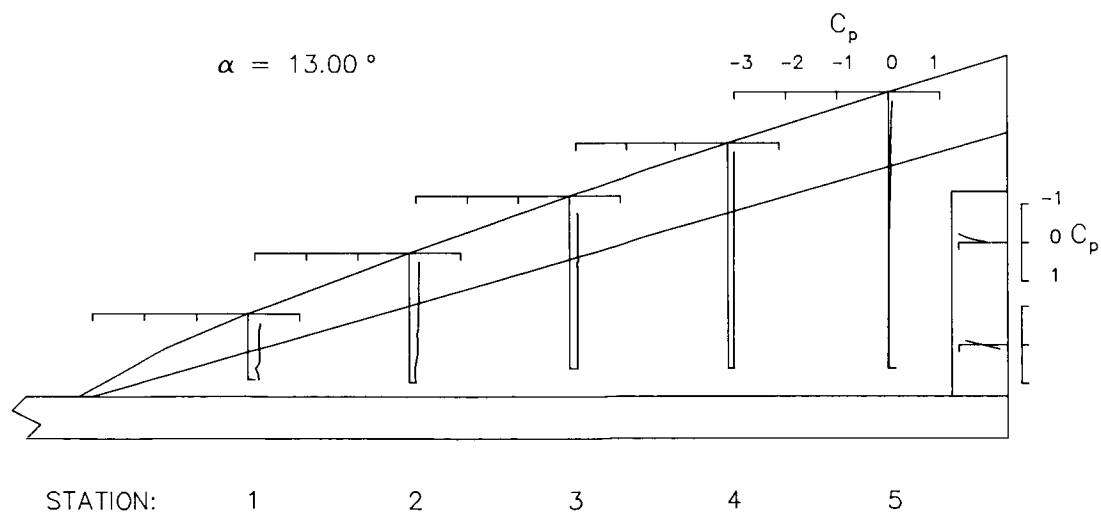
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.226
46.09	-.108	46.09	-.143
46.34	-.060	46.34	-.091
46.59	-.018	46.59	-.052
46.84	.026	46.84	-.015
47.09	*****	47.09	*****
47.34	.117	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 13.984 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.258	6.32	.199	8.34	.169	10.23	.141	12.04	.089
E	3.99	.250	6.09	.205	8.05	.183	9.90	*****	11.68	.071
	3.85	.238	5.86	.202	7.76	.188	9.57	.140	11.32	.060
V	3.71	.238	5.63	.200	7.46	.181	9.23	.137	10.96	.057
	3.57	.235	5.40	.196	7.17	*****	8.90	.142	10.60	.044
F	3.43	.237	5.17	.201	6.88	.178	8.57	*****	10.24	.049
	3.29	.238	4.94	.200	6.59	.184	8.23	.138	9.88	.042
<hr/>										
	3.10	.239	4.70	*****	6.30	.175	7.99	.138	9.58	.053
	2.90	.244	4.50	*****	6.10	.176	7.79	.141	9.38	.046
W	2.70	.242	4.30	.191	5.90	.183	7.59	*****	9.18	.043
	2.50	.175	4.10	.189	5.70	.181	7.39	.138	8.98	.040
I	2.30	.217	3.90	.188	5.50	.175	7.19	.140	8.78	.031
	2.10	.231	3.70	.166	5.30	.177	6.99	.137	8.58	.032
			3.50	.181	5.10	.175	6.78	.134	8.38	.028
N			3.00	.176	4.50	.174	6.38	.129	7.98	.025
			2.50	.129	3.50	.172	5.98	.128	7.38	.017
G			2.00	.138	2.50	.176	5.50	.127	6.50	.011
							4.50	.126	5.50	.003
							3.50	.124	4.50	-.006
							2.50	.128	3.50	-.007
									2.50	-.009

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.224
46.09	-.107	46.09	-.141
46.34	-.060	46.34	-.088
46.59	-.017	46.59	-.050
46.84	.030	46.84	-.015
47.09	*****	47.09	*****
47.34	.118	47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 14.951 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.275	6.32	.211	8.34	.176	10.23	.145	12.04	.090
E	3.99	.268	6.09	.220	8.05	.194	9.90	*****	11.68	.077
	3.85	.257	5.86	.217	7.76	.200	9.57	.150	11.32	.065
V	3.71	.256	5.63	.216	7.46	.193	9.23	.151	10.96	.064
	3.57	.257	5.40	.214	7.17	*****	8.90	.154	10.60	.051
F	3.43	.257	5.17	.217	6.88	.193	8.57	*****	10.24	.055
	3.29	.260	4.94	.217	6.59	.200	8.23	.149	9.88	.046
<hr/>										
	3.10	.257	4.70	*****	6.30	.188	7.99	.150	9.58	.059
	2.90	.265	4.50	*****	6.10	.192	7.79	.151	9.38	.050
W	2.70	.262	4.30	.205	5.90	.197	7.59	*****	9.18	.048
	2.50	.194	4.10	.206	5.70	.195	7.39	.151	8.98	.045
I	2.30	.242	3.90	.205	5.50	.193	7.19	.153	8.78	.039
	2.10	.252	3.70	.184	5.30	.192	6.99	.144	8.58	.039
			3.50	.200	5.10	.192	6.78	.144	8.38	.035
N			3.00	.196	4.50	.187	6.38	.141	7.98	.032
			2.50	.149	3.50	.190	5.98	.140	7.38	.026
G			2.00	.157	2.50	.190	5.50	.139	6.50	.018
							4.50	.138	5.50	.009
							3.50	.135	4.50	.005
							2.50	.141	3.50	-.001
									2.50	.000

TRAILING-EDGE FLAP

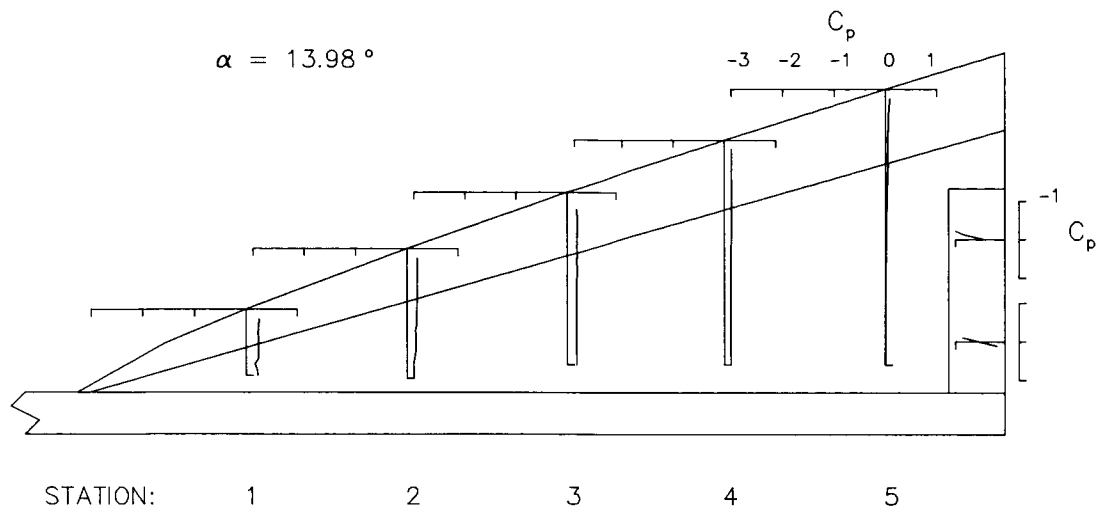
INBOARD

OUTBOARD

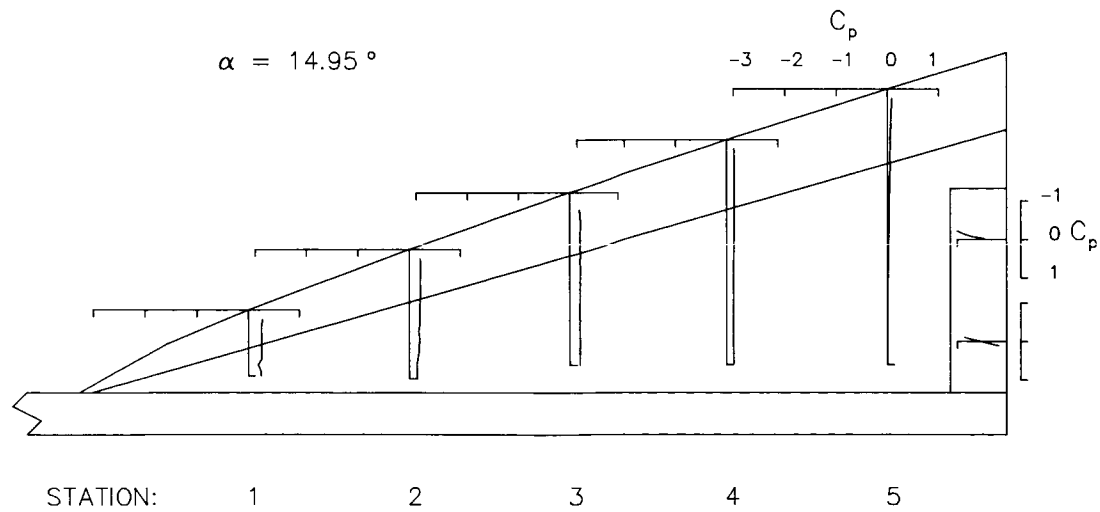
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.221
46.09	-.104	46.09	-.136
46.34	-.058	46.34	-.084
46.59	-.016	46.59	-.050
46.84	.027	46.84	-.012
47.09	*****	47.09	*****
47.34	.118	47.34	*****

Table V. Continued

$$\delta_{LEV} = 30.0^\circ \quad \delta_{TEF} = 0.0^\circ$$



$$\delta_{LEV} = 30.0^\circ \quad \delta_{TEF} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 30 DEG.

TEFL DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 16.058 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.293	6.32	.222	8.34	.185	10.23	.153	12.04	.093
	3.99	.291	6.09	.237	8.05	.210	9.90	*****	11.68	.082
E	3.85	.278	5.86	.240	7.76	.217	9.57	.165	11.32	.075
	3.71	.279	5.63	.236	7.46	.211	9.23	.163	10.96	.074
V	3.57	.278	5.40	.234	7.17	*****	8.90	.168	10.60	.058
	3.43	.281	5.17	.236	6.88	.211	8.57	*****	10.24	.063
F	3.29	.283	4.94	.240	6.59	.217	8.23	.164	9.88	.054
	3.10	.281	4.70	*****	6.30	.207	7.99	.163	9.58	.068
	2.90	.288	4.50	*****	6.10	.208	7.79	.164	9.38	.062
W	2.70	.285	4.30	.230	5.90	.214	7.59	*****	9.18	.056
	2.50	.215	4.10	.226	5.70	.213	7.39	.165	8.98	.054
	2.30	.269	3.90	.224	5.50	.212	7.19	.166	8.78	.046
I	2.10	.278	3.70	.206	5.30	.210	6.99	.164	8.58	.047
			3.50	.224	5.10	.209	6.78	.159	8.38	.044
			3.00	.217	4.50	.207	6.38	.153	7.98	.043
N			2.50	.174	3.50	.207	5.98	.155	7.38	.034
			2.00	.180	2.50	.212	5.50	.156	6.50	.025
							4.50	.152	5.50	.019
G							3.50	.150	4.50	.016
							2.50	.154	3.50	.009
									2.50	.007

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.105
46.34	-.060
46.59	-.017
46.84	.024
47.09	*****
47.34	.112

OUTBOARD

X IN.	CP
45.84	-.214
46.09	-.131
46.34	-.081
46.59	-.044
46.84	-.010
47.09	*****
47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 30 DEG.

TEFL DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 18.901 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.334	6.32	.249	8.34	.197	10.23	.159	12.04	.107
	3.99	.335	6.09	.277	8.05	.239	9.90	*****	11.68	.107
E	3.85	.334	5.86	.283	7.76	.254	9.57	.196	11.32	.096
	3.71	.339	5.63	.286	7.46	.253	9.23	.197	10.96	.094
V	3.57	.341	5.40	.282	7.17	*****	8.90	.203	10.60	.081
	3.43	.344	5.17	.293	6.88	.255	8.57	*****	10.24	.084
F	3.29	.346	4.94	.290	6.59	.262	8.23	.198	9.88	.071
	3.10	.340	4.70	*****	6.30	.249	7.99	.196	9.58	.086
	2.90	.352	4.50	*****	6.10	.254	7.79	.203	9.38	.077
W	2.70	.348	4.30	.283	5.90	.256	7.59	*****	9.18	.074
	2.50	.272	4.10	.280	5.70	.258	7.39	.198	8.98	.074
	2.30	.335	3.90	.284	5.50	.256	7.19	.202	8.78	.066
I	2.10	.344	3.70	.263	5.30	.256	6.99	.199	8.58	.066
			3.50	.279	5.10	.257	6.78	.197	8.38	.064
			3.00	.277	4.50	.253	6.38	.196	7.98	.059
N			2.50	.234	3.50	.257	5.98	.192	7.38	.053
			2.00	.240	2.50	.259	5.50	.193	6.50	.044
							4.50	.193	5.50	.039
G							3.50	.190	4.50	.034
							2.50	.190	3.50	.030
									2.50	.031

TRAILING-EDGE FLAP

INBOARD

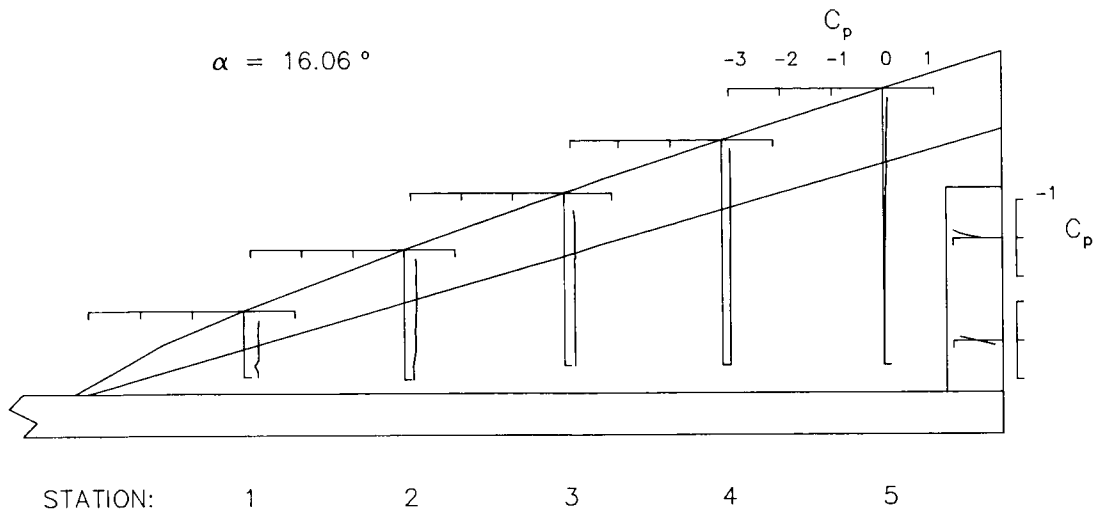
X IN.	CP
45.84	*****
46.09	-.131
46.34	-.094
46.59	-.063
46.84	-.024
47.09	*****
47.34	.033

OUTBOARD

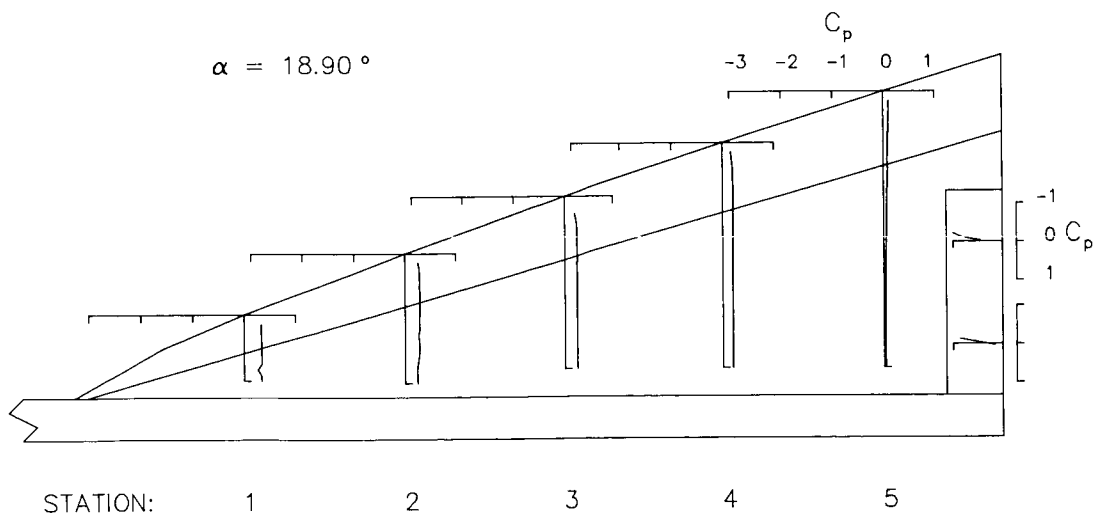
X IN.	CP
45.84	-.218
46.09	-.136
46.34	-.088
46.59	-.055
46.84	-.021
47.09	*****
47.34	*****

Table V. Continued

$$\delta_{\text{LEVf}} = 30.0^\circ \quad \delta_{\text{EF}} = 0.0^\circ$$



$$\delta_{\text{LEVf}} = 30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 21.055 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.372	6.32	.259	8.34	.213	10.23	.170	12.04	.111
	3.99	.377	6.09	.305	8.05	.266	9.90	*****	11.68	.115
E	3.85	.380	5.86	.316	7.76	.287	9.57	.222	11.32	.108
	3.71	.384	5.63	.317	7.46	.286	9.23	.224	10.96	.114
V	3.57	.387	5.40	.330	7.17	*****	8.90	.236	10.60	.100
	3.43	.391	5.17	.335	6.88	.291	8.57	*****	10.24	.110
F	3.29	.393	4.94	.338	6.59	.297	8.23	.227	9.88	.100
	3.10	.383	4.70	*****	6.30	.285	7.99	.235	9.58	.112
	2.90	.395	4.50	*****	6.10	.290	7.79	.236	9.38	.098
W	2.70	.399	4.30	.319	5.90	.296	7.59	*****	9.18	.096
	2.50	.317	4.10	.312	5.70	.297	7.39	.232	8.98	.091
	2.30	.387	3.90	.314	5.50	.293	7.19	.234	8.78	.084
I	2.10	.395	3.70	.295	5.30	.295	6.99	.227	8.58	.087
			3.50	.317	5.10	.291	6.78	.220	8.38	.081
			3.00	.321	4.90	.291	6.38	.220	7.98	.080
N			2.50	.290	3.50	.293	5.98	.218	7.38	.072
			2.00	.298	2.50	.295	5.50	.224	6.50	.067
G							4.50	.225	5.50	.062
							3.50	.228	4.50	.053
							2.50	.235	3.50	.054
									2.50	.055

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.146
46.34	-.113
46.59	-.084
46.84	-.059
47.09	*****
47.34	-.016

OUTBOARD

X IN.	CP
45.84	-.197
46.09	-.116
46.34	-.072
46.59	-.037
46.84	-.002
47.09	*****
47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 23.380 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.383	6.32	.279	8.34	.207	10.23	.184	12.04	.124
	3.99	.405	6.09	.333	8.05	.285	9.90	*****	11.68	.137
E	3.85	.410	5.86	.349	7.76	.308	9.57	.253	11.32	.130
	3.71	.423	5.63	.362	7.46	.317	9.23	.261	10.96	.132
V	3.57	.429	5.40	.363	7.17	*****	8.90	.269	10.60	.117
	3.43	.435	5.17	.371	6.88	.327	8.57	*****	10.24	.127
F	3.29	.443	4.94	.379	6.59	.337	8.23	.268	9.88	.114
	3.10	.431	4.70	*****	6.30	.326	7.99	.260	9.58	.122
	2.90	.443	4.50	*****	6.10	.327	7.79	.264	9.38	.117
W	2.70	.450	4.30	.365	5.90	.337	7.59	*****	9.18	.109
	2.50	.357	4.10	.366	5.70	.331	7.39	.266	8.98	.112
	2.30	.440	3.90	.369	5.50	.335	7.19	.268	8.78	.105
I	2.10	.447	3.70	.351	5.30	.333	6.99	.265	8.58	.108
			3.50	.371	5.10	.333	6.78	.265	8.38	.105
			3.00	.370	4.90	.337	6.38	.266	7.98	.107
N			2.50	.343	3.50	.334	5.98	.263	7.38	.095
			2.00	.344	2.50	.343	5.50	.263	6.50	.092
G							4.50	.261	5.50	.082
							3.50	.265	4.50	.086
							2.50	.268	3.50	.081
									2.50	.081

TRAILING-EDGE FLAP

INBOARD

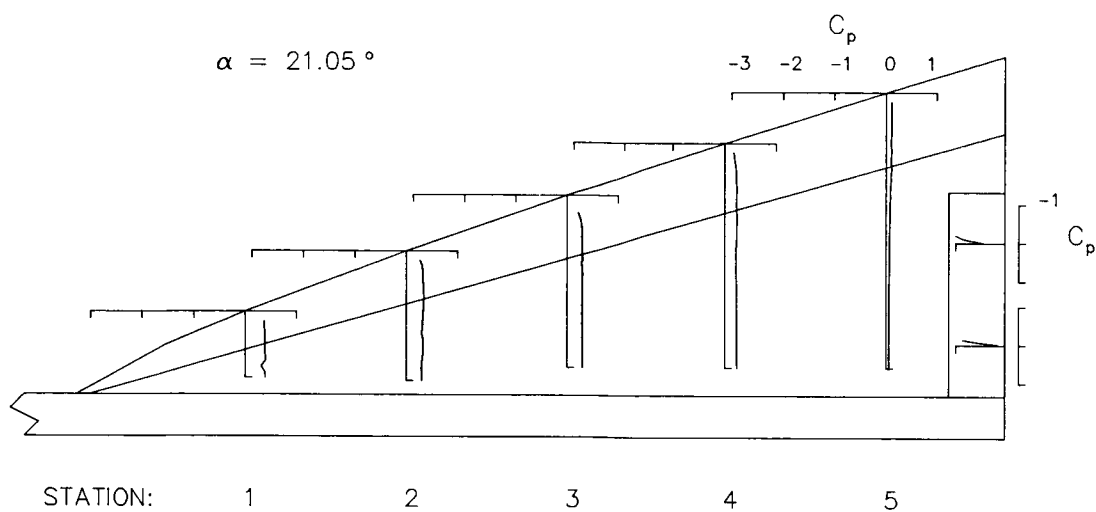
X IN.	CP
45.84	*****
46.09	-.137
46.34	-.108
46.59	-.087
46.84	-.066
47.09	*****
47.34	-.048

OUTBOARD

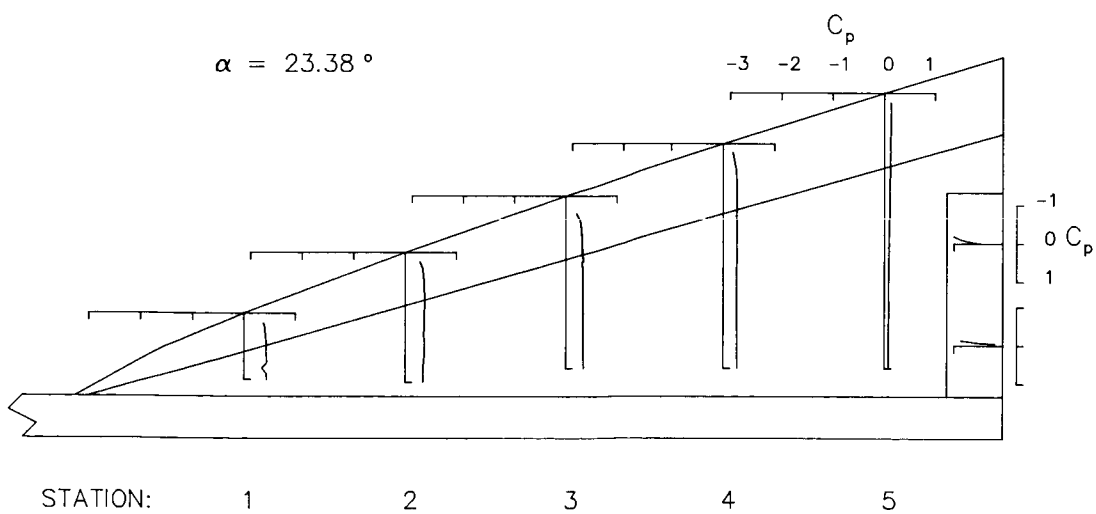
X IN.	CP
45.84	-.189
46.09	-.109
46.34	-.057
46.59	-.023
46.84	-.000
47.09	*****
47.34	*****

Table V. Continued

$$\delta_{LEV} = 30.0^\circ \quad \delta_{TEF} = 0.0^\circ$$



$$\delta_{LEV} = 30.0^\circ \quad \delta_{TEF} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= -.028 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.261	6.32	-.187	8.34	-.118	10.23	-.091	12.04	-.076
	3.99	-.384	6.09	-.199	8.05	-.138	9.90	*****	11.68	-.090
E	3.85	-.314	5.86	-.297	7.76	-.139	9.57	-.110	11.32	-.103
	3.71	-.062	5.63	-.308	7.46	-.256	9.23	-.124	10.96	-.104
V	3.57	-.021	5.40	-.143	7.17	*****	8.90	-.166	10.60	-.148
	3.43	-.023	5.17	-.033	6.88	-.120	8.57	*****	10.24	-.176
F	3.29	-.019	4.94	-.009	6.59	-.019	8.23	-.075	9.88	-.144
	3.10	-.016	4.70	*****	6.30	-.035	7.99	-.049	9.58	-.096
	2.90	-.016	4.50	*****	6.10	-.008	7.79	-.051	9.38	-.109
W	2.70	-.022	4.30	-.019	5.90	.005	7.59	*****	9.18	-.101
	2.50	-.051	4.10	-.027	5.70	.004	7.39	-.011	8.98	-.059
	2.30	-.060	3.90	-.033	5.50	.003	7.19	.005	8.78	-.045
I	2.10	-.045	3.70	-.062	5.30	.003	6.99	.008	8.58	-.018
			3.50	-.046	5.10	-.002	6.78	.004	8.38	-.002
			3.00	-.058	4.50	-.011	6.38	-.005	7.98	.007
N			2.50	-.111	3.50	-.009	5.98	-.007	7.38	-.002
			2.00	-.092	2.50	-.009	5.50	-.007	6.50	-.008
G							4.50	-.009	5.50	-.017
							3.50	-.012	4.50	-.022
							2.50	-.004	3.50	-.027
									2.50	-.036

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.008
46.09	.032	46.09	-.014
46.34	.030	46.34	-.015
46.59	.030	46.59	-.021
46.84	.042	46.84	-.019
47.09	*****	47.09	*****
47.34	.059	47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 2.018 DEG.

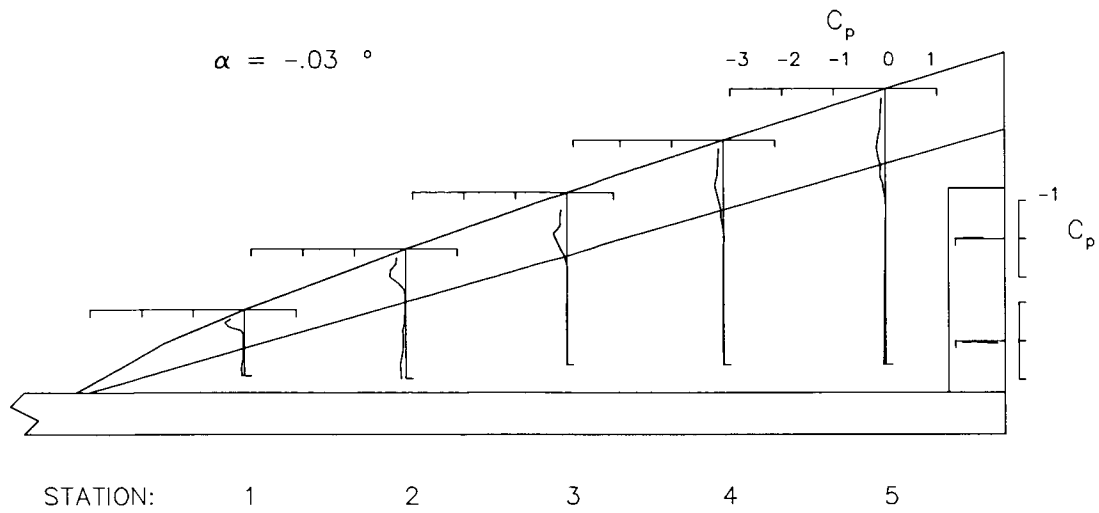
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.095	6.32	-.104	8.34	-.058	10.23	-.037	12.04	-.042
	3.99	-.047	6.09	-.100	8.05	-.053	9.90	*****	11.68	-.042
E	3.85	-.012	5.86	-.046	7.76	-.068	9.57	-.035	11.32	-.044
	3.71	.005	5.63	-.014	7.46	-.052	9.23	-.058	10.96	-.033
V	3.57	.005	5.40	.004	7.17	*****	8.90	.022	10.60	-.056
	3.43	.013	5.17	.014	6.88	.028	8.57	*****	10.24	-.037
F	3.29	.020	4.94	.023	6.59	.038	8.23	.028	9.88	-.016
	3.10	.024	4.70	*****	6.30	.022	7.99	.034	9.58	.009
	2.90	.026	4.50	*****	6.10	.035	7.79	.031	9.38	.012
W	2.70	.020	4.30	.015	5.90	.039	7.59	*****	9.18	.011
	2.50	-.013	4.10	.005	5.70	.035	7.39	.031	8.98	.011
	2.30	-.018	3.90	.000	5.50	.026	7.19	.031	8.78	.001
I	2.10	.001	3.70	-.027	5.30	.026	6.99	.024	8.58	.001
			3.50	-.013	5.10	.018	6.78	.016	8.38	-.001
			3.00	-.023	4.50	.016	6.38	.007	7.98	-.004
N			2.50	-.074	3.50	.017	5.98	.008	7.38	-.008
			2.00	-.060	2.50	.020	5.50	.009	6.50	-.007
G							4.50	.009	5.50	-.008
							3.50	.007	4.50	-.016
							2.50	.016	3.50	-.018
									2.50	-.028

TRAILING-EDGE FLAP

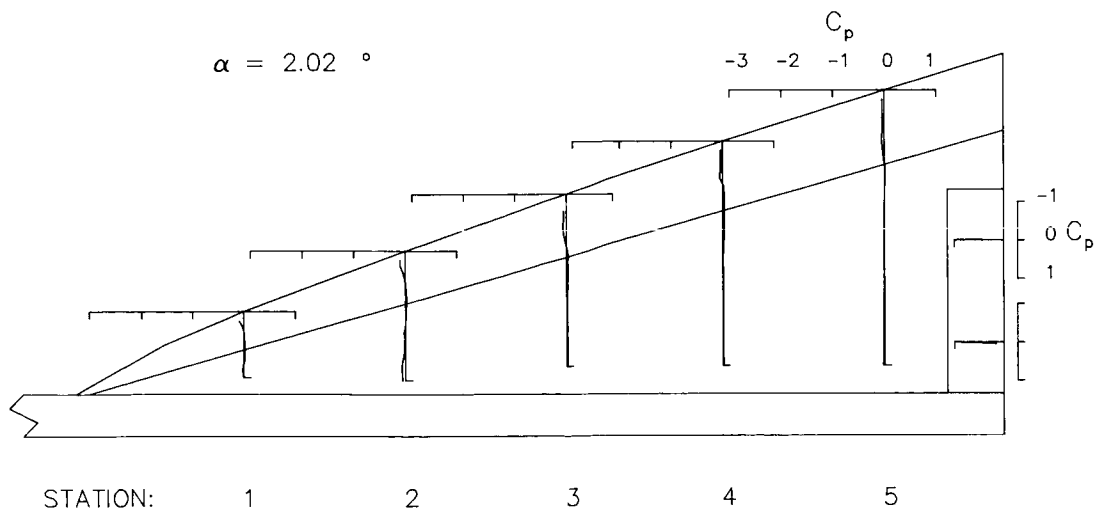
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.005
46.09	.023	46.09	-.012
46.34	.018	46.34	-.014
46.59	.018	46.59	-.017
46.84	.029	46.84	-.017
47.09	*****	47.09	*****
47.34	.045	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 4.021 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.021	6.32	.010	8.34	.022	10.23	.019	12.04	.014
	3.99	.048	6.09	.020	8.05	.036	9.90	*****	11.68	-.002
E	3.85	.030	5.86	.032	7.76	.041	9.57	.030	11.32	-.003
	3.71	.035	5.63	.033	7.46	.040	9.23	.030	10.96	.004
V	3.57	.042	5.40	.037	7.17	*****	8.90	.045	10.60	-.001
	3.43	.046	5.17	.045	6.88	.051	8.57	*****	10.24	.013
F	3.29	.053	4.94	.049	6.59	.060	8.23	.043	9.88	.012
	3.10	.060	4.70	*****	6.30	.050	7.99	.049	9.58	.022
	2.90	.063	4.50	*****	6.10	.057	7.79	.048	9.38	.018
W	2.70	.054	4.30	.041	5.90	.058	7.59	*****	9.18	.015
	2.50	.010	4.10	.032	5.70	.051	7.39	.046	8.98	.013
	2.30	.019	3.90	.028	5.50	.048	7.19	.045	8.78	.005
I	2.10	.033	3.70	.003	5.30	.047	6.99	.040	8.58	.007
			3.50	.018	5.10	.044	6.78	.033	8.38	.003
			3.00	-.005	4.50	.037	6.38	.024	7.98	.000
N			2.50	-.042	3.50	.040	5.98	.027	7.38	.001
			2.00	-.029	2.50	.045	5.50	.028	6.50	-.003
							4.50	.027	5.50	-.002
G							3.50	.028	4.50	-.003
							2.50	.035	3.50	-.007
									2.50	-.014

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	.021
46.34	.016
46.59	.017
46.84	.025
47.09	*****
47.34	.034

OUTBOARD

X IN.	CP
45.84	-.001
46.09	-.007
46.34	-.010
46.59	-.013
46.84	-.018
47.09	*****
47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 6.047 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.081	6.32	.067	8.34	.075	10.23	.068	12.04	.040
	3.99	.092	6.09	.074	8.05	.074	9.90	*****	11.68	.025
E	3.85	.074	5.86	.072	7.76	.075	9.57	.057	11.32	.018
	3.71	.076	5.63	.069	7.46	.071	9.23	.055	10.96	.022
V	3.57	.081	5.40	.067	7.17	*****	8.90	.066	10.60	.016
	3.43	.081	5.17	.077	6.88	.076	8.57	*****	10.24	.026
F	3.29	.091	4.94	.076	6.59	.087	8.23	.065	9.88	.025
	3.10	.096	4.70	*****	6.30	.076	7.99	.067	9.58	.036
	2.90	.096	4.50	*****	6.10	.081	7.79	.070	9.38	.029
W	2.70	.088	4.30	.068	5.90	.080	7.59	*****	9.18	.027
	2.50	.040	4.10	.062	5.70	.078	7.39	.068	8.98	.025
	2.30	.056	3.90	.060	5.50	.074	7.19	.065	8.78	.019
I	2.10	.069	3.70	.034	5.30	.074	6.99	.059	8.58	.019
			3.50	.049	5.10	.067	6.78	.054	8.38	.017
			3.00	.039	4.50	.065	6.38	.048	7.98	.016
N			2.50	-.010	3.50	.067	5.98	.049	7.38	.016
			2.00	.002	2.50	.070	5.50	.049	6.50	.015
							4.50	.049	5.50	.015
G							3.50	.048	4.50	.011
							2.50	.054	3.50	.006
									2.50	-.003

TRAILING-EDGE FLAP

INBOARD

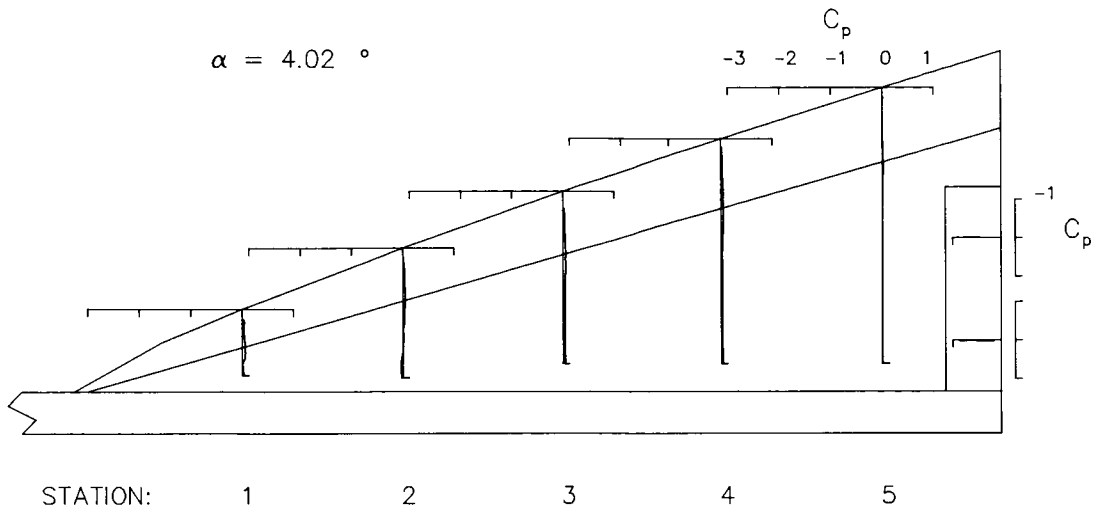
X IN.	CP
45.84	*****
46.09	.029
46.34	.025
46.59	.022
46.84	.033
47.09	*****
47.34	.041

OUTBOARD

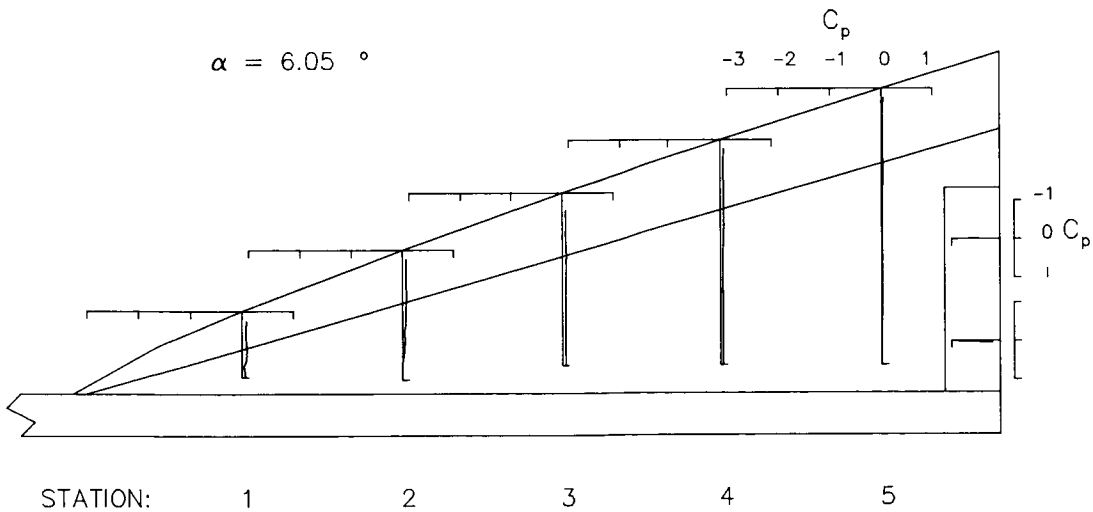
X IN.	CP
45.84	.010
46.09	.001
46.34	-.003
46.59	-.007
46.84	-.011
47.09	*****
47.34	*****

Table V. Continued

$$\delta_{\text{LEVf}} = 30.0^\circ \quad \delta_{\text{TEf}} = 10.0^\circ$$



$$\delta_{\text{LEVf}} = 30.0^\circ \quad \delta_{\text{-EF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 8.123 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.128	6.32	.117	8.34	.109	10.23	.098	12.04	.064
E	3.99	.135	6.09	.110	8.05	.107	9.90	*****	11.68	.041
	3.85	.120	5.86	.107	7.76	.108	9.57	.084	11.32	.034
V	3.71	.119	5.63	.103	7.46	.102	9.23	.080	10.96	.038
	3.57	.118	5.40	.102	7.17	*****	8.90	.086	10.60	.029
F	3.43	.122	5.17	.106	6.88	.104	8.57	*****	10.24	.037
	3.29	.125	4.94	.109	6.59	.111	8.23	.085	9.88	.037
	3.10	.132	4.70	*****	6.30	.102	7.99	.088	9.58	.045
	2.90	.134	4.50	*****	6.10	.106	7.79	.088	9.38	.041
W	2.70	.125	4.30	.099	5.90	.107	7.59	*****	9.18	.040
	2.50	.072	4.10	.093	5.70	.104	7.39	.087	8.98	.038
I	2.30	.096	3.90	.090	5.50	.101	7.19	.087	8.78	.031
	2.10	.110	3.70	.067	5.30	.101	6.99	.080	8.58	.034
			3.50	.085	5.10	.098	6.78	.077	8.38	.031
N			3.00	.075	4.50	.093	6.38	.070	7.98	.032
			2.50	.023	3.50	.094	5.98	.071	7.38	.031
G			2.00	.036	2.50	.098	5.50	.074	6.50	.031
							4.50	.073	5.50	.029
							3.50	.069	4.50	.025
							2.50	.078	3.50	.021
									2.50	.014

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	.039
46.34	.034
46.59	.035
46.84	.044
47.09	*****
47.34	.059

OUTBOARD

X IN.	CP
45.84	.017
46.09	.008
46.34	.005
46.59	-.001
46.84	-.007
47.09	*****
47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 9.045 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.150	6.32	.126	8.34	.123	10.23	.104	12.04	.071
E	3.99	.156	6.09	.129	8.05	.121	9.90	*****	11.68	.047
	3.85	.136	5.86	.124	7.76	.120	9.57	.093	11.32	.041
V	3.71	.137	5.63	.120	7.46	.114	9.23	.090	10.96	.043
	3.57	.135	5.40	.117	7.17	*****	8.90	.097	10.60	.035
F	3.43	.139	5.17	.120	6.88	.117	8.57	*****	10.24	.044
	3.29	.141	4.94	.123	6.59	.122	8.23	.095	9.88	.041
	3.10	.147	4.70	*****	6.30	.113	7.99	.098	9.58	.052
	2.90	.150	4.50	*****	6.10	.118	7.79	.097	9.38	.045
W	2.70	.142	4.30	.116	5.90	.118	7.59	*****	9.18	.043
	2.50	.088	4.10	.110	5.70	.117	7.39	.097	8.98	.043
I	2.30	.112	3.90	.104	5.50	.113	7.19	.095	8.78	.036
	2.10	.128	3.70	.082	5.30	.115	6.99	.093	8.58	.040
			3.50	.098	5.10	.110	6.78	.089	8.38	.036
N			3.00	.090	4.50	.105	6.38	.079	7.98	.039
			2.50	.042	3.50	.108	5.98	.082	7.38	.037
G			2.00	.051	2.50	.110	5.50	.083	6.50	.037
							4.50	.082	5.50	.036
							3.50	.082	4.50	.031
							2.50	.088	3.50	.029
									2.50	.020

TRAILING-EDGE FLAP

INBOARD

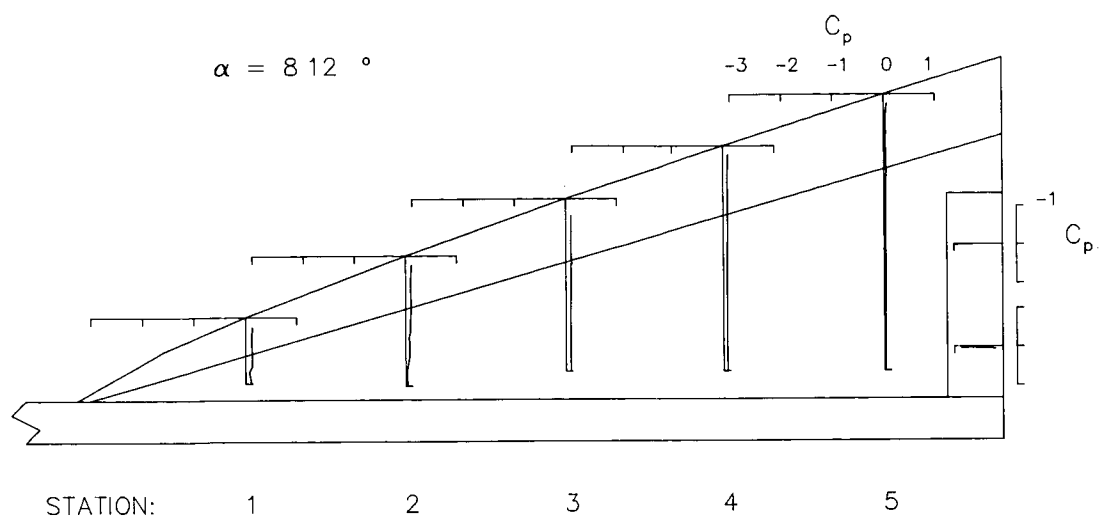
X IN.	CP
45.84	*****
46.09	.042
46.34	.039
46.59	.039
46.84	.048
47.09	*****
47.34	.065

OUTBOARD

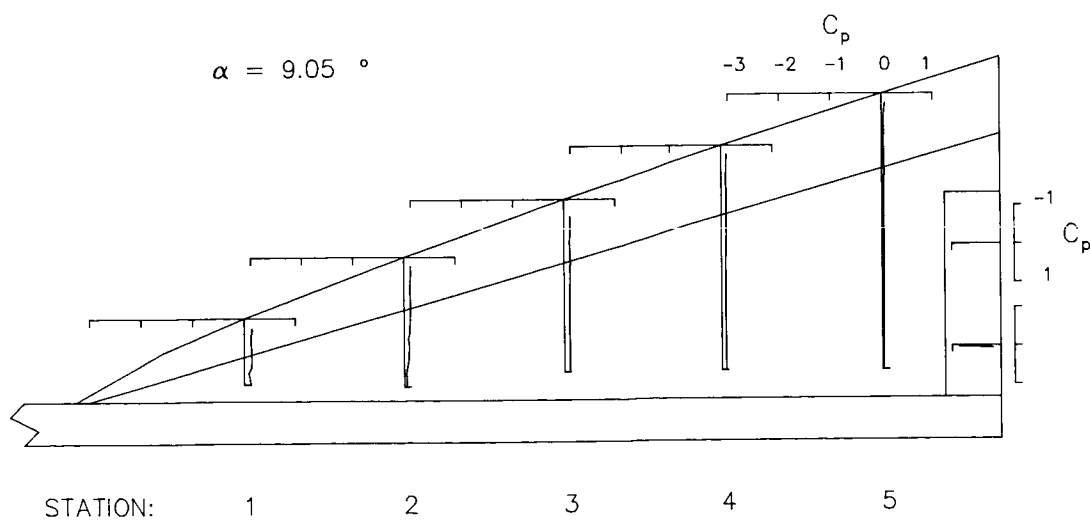
X IN.	CP
45.84	.021
46.09	.012
46.34	.007
46.59	.000
46.84	-.004
47.09	*****
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 10.007 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.170	6.32	.146	8.34	.133	10.23	.116	12.04	.075
	3.99	.173	6.09	.145	8.05	.133	9.90	*****	11.68	.058
E	3.85	.160	5.86	.140	7.76	.137	9.57	.105	11.32	.049
	3.71	.155	5.63	.136	7.46	.127	9.23	.103	10.96	.052
V	3.57	.156	5.40	.132	7.17	*****	8.90	.108	10.60	.042
	3.43	.158	5.17	.138	6.88	.130	8.57	*****	10.24	.048
F	3.29	.161	4.94	.137	6.59	.137	8.23	.107	9.88	.047
	3.10	.163	4.70	*****	6.30	.124	7.99	.109	9.58	.056
	2.90	.168	4.50	*****	6.10	.132	7.79	.109	9.38	.050
W	2.70	.160	4.30	.130	5.90	.130	7.59	*****	9.18	.052
	2.50	.103	4.10	.124	5.70	.129	7.39	.107	8.98	.048
	2.30	.133	3.90	.122	5.50	.126	7.19	.106	8.78	.044
I	2.10	.146	3.70	.100	5.30	.127	6.99	.104	8.58	.047
			3.50	.117	5.10	.124	6.78	.099	8.38	.045
N			3.00	.107	4.50	.122	6.38	.095	7.98	.044
			2.50	.056	3.50	.122	5.98	.095	7.38	.046
			2.00	.069	2.50	.123	5.50	.097	6.50	.045
G							4.50	.095	5.50	.042
							3.50	.091	4.50	.040
							2.50	.100	3.50	.034
									2.50	.029

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	.048
46.34	.044
46.59	.044
46.84	.055
47.09	*****
47.34	.072

OUTBOARD

X IN.	CP
45.84	.028
46.09	.018
46.34	.015
46.59	.006
46.84	.002
47.09	*****
47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 10.976 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.192	6.32	.163	8.34	.146	10.23	.124	12.04	.080
	3.99	.195	6.09	.162	8.05	.149	9.90	*****	11.68	.064
E	3.85	.179	5.86	.154	7.76	.150	9.57	.117	11.32	.055
	3.71	.175	5.63	.151	7.46	.141	9.23	.116	10.96	.059
V	3.57	.174	5.40	.150	7.17	*****	8.90	.121	10.60	.047
	3.43	.176	5.17	.153	6.88	.143	8.57	*****	10.24	.058
F	3.29	.181	4.94	.154	6.59	.151	8.23	.116	9.88	.054
	3.10	.183	4.70	*****	6.30	.138	7.99	.121	9.58	.064
	2.90	.186	4.50	*****	6.10	.144	7.79	.118	9.38	.058
W	2.70	.180	4.30	.147	5.90	.146	7.59	*****	9.18	.059
	2.50	.122	4.10	.140	5.70	.144	7.39	.118	8.98	.056
	2.30	.152	3.90	.139	5.50	.139	7.19	.118	8.78	.050
I	2.10	.165	3.70	.115	5.30	.140	6.99	.117	8.58	.055
			3.50	.134	5.10	.139	6.78	.111	8.38	.055
N			3.00	.122	4.50	.134	6.38	.107	7.98	.054
			2.50	.076	3.50	.136	5.98	.106	7.38	.054
			2.00	.087	2.50	.139	5.50	.110	6.50	.055
G							4.50	.105	5.50	.054
							3.50	.106	4.50	.048
							2.50	.114	3.50	.044
									2.50	.040

TRAILING-EDGE FLAP

INBOARD

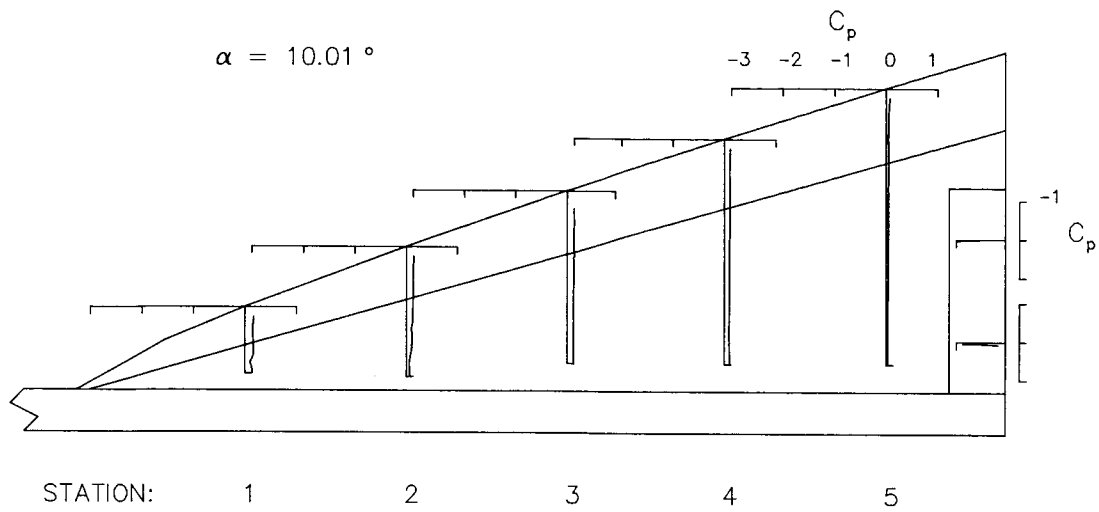
X IN.	CP
45.84	*****
46.09	.055
46.34	.050
46.59	.052
46.84	.060
47.09	*****
47.34	.076

OUTBOARD

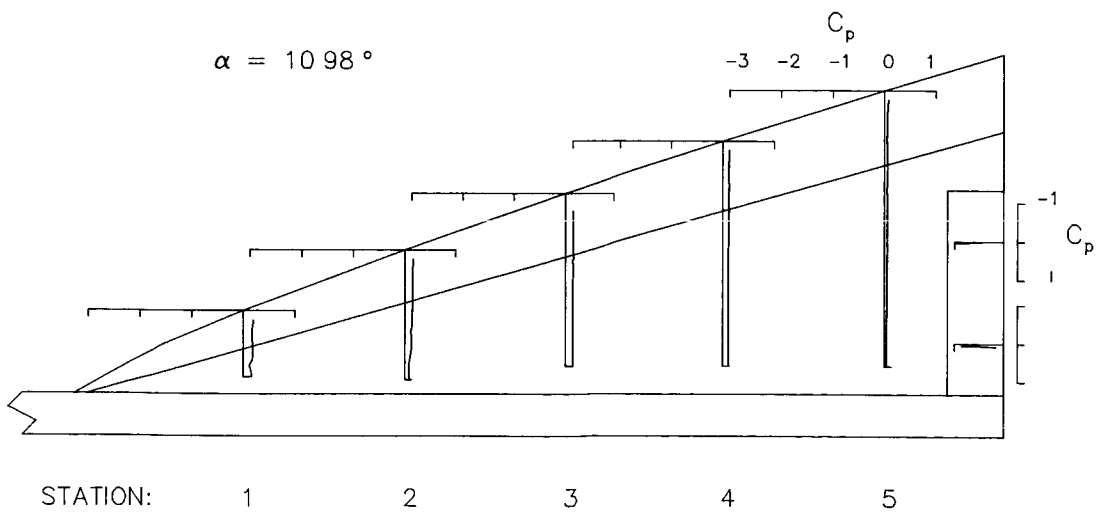
X IN.	CP
45.84	.034
46.09	.029
46.34	.023
46.59	.015
46.84	.011
47.09	*****
47.34	*****

Table V. Continued

$$\delta_{\text{LEVf}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEVf}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 12.057 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.220	6.32	.180	8.34	.155	10.23	.131	12.04	.087
	3.99	.218	6.09	.177	8.05	.165	9.90	*****	11.68	.072
E	3.85	.200	5.86	.176	7.76	.165	9.57	.132	11.32	.065
	3.71	.198	5.63	.172	7.46	.158	9.23	.129	10.96	.068
V	3.57	.200	5.40	.169	7.17	*****	8.90	.131	10.60	.058
	3.43	.197	5.17	.171	6.88	.158	8.57	*****	10.24	.065
F	3.29	.200	4.94	.169	6.59	.165	8.23	.131	9.88	.064
	3.10	.204	4.70	*****	6.30	.154	7.99	.134	9.58	.070
	2.90	.205	4.50	*****	6.10	.158	7.79	.132	9.38	.068
W	2.70	.202	4.30	.163	5.90	.161	7.59	*****	9.18	.065
	2.50	.140	4.10	.159	5.70	.158	7.39	.133	8.98	.065
	2.30	.177	3.90	.156	5.50	.156	7.19	.130	8.78	.062
I	2.10	.190	3.70	.135	5.30	.156	6.99	.128	8.58	.062
			3.50	.153	5.10	.155	6.78	.126	8.38	.062
			3.00	.144	4.50	.151	6.38	.119	7.98	.065
N			2.50	.097	3.50	.152	5.98	.120	7.38	.063
			2.00	.108	2.50	.157	5.50	.123	6.50	.064
G							4.50	.121	5.50	.061
							3.50	.119	4.50	.059
							2.50	.129	3.50	.053
									2.50	.046

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	.044
46.09	.060	46.09	.033
46.34	.057	46.34	.031
46.59	.056	46.59	.022
46.84	.066	46.84	.018
47.09	*****	47.09	*****
47.34	.085	47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 12.999 DEG.

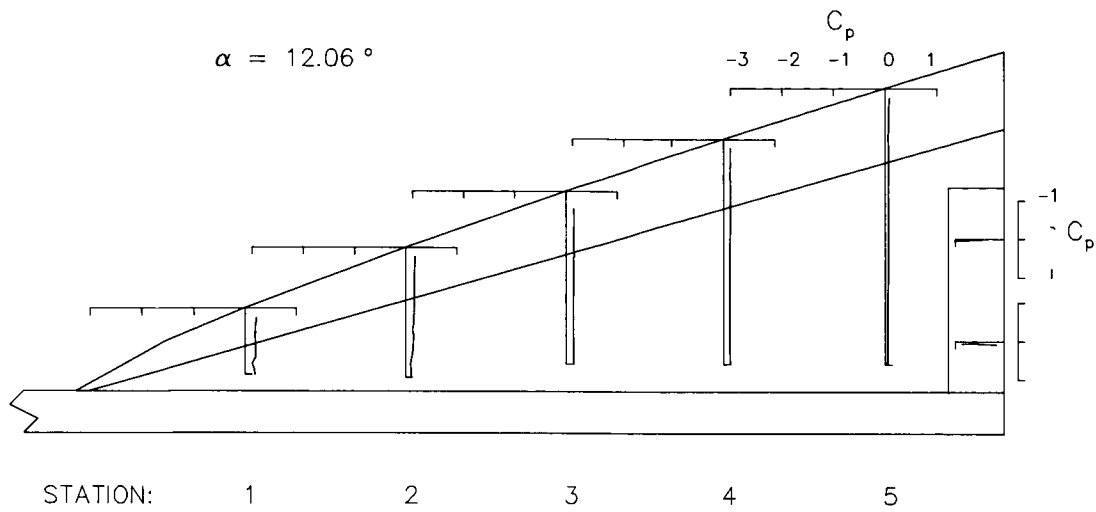
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.242	6.32	.190	8.34	.162	10.23	.139	12.04	.087
	3.99	.235	6.09	.193	8.05	.176	9.90	*****	11.68	.079
E	3.85	.219	5.86	.191	7.76	.178	9.57	.141	11.32	.073
	3.71	.217	5.63	.187	7.46	.171	9.23	.140	10.96	.073
V	3.57	.218	5.40	.185	7.17	*****	8.90	.144	10.60	.066
	3.43	.218	5.17	.186	6.88	.171	8.57	*****	10.24	.071
F	3.29	.220	4.94	.188	6.59	.177	8.23	.141	9.88	.067
	3.10	.224	4.70	*****	6.30	.168	7.99	.146	9.58	.076
	2.90	.228	4.50	*****	6.10	.174	7.79	.141	9.38	.074
W	2.70	.224	4.30	.178	5.90	.176	7.59	*****	9.18	.071
	2.50	.157	4.10	.174	5.70	.173	7.39	.141	8.98	.071
	2.30	.199	3.90	.175	5.50	.170	7.19	.145	8.78	.067
I	2.10	.212	3.70	.153	5.30	.171	6.99	.139	8.58	.069
			3.50	.168	5.10	.167	6.78	.135	8.38	.067
			3.00	.164	4.50	.167	6.38	.133	7.98	.073
N			2.50	.114	3.50	.167	5.98	.134	7.38	.072
			2.00	.124	2.50	.169	5.50	.133	6.50	.072
G							4.50	.135	5.50	.070
							3.50	.130	4.50	.065
							2.50	.139	3.50	.060
									2.50	.053

TRAILING-EDGE FLAP

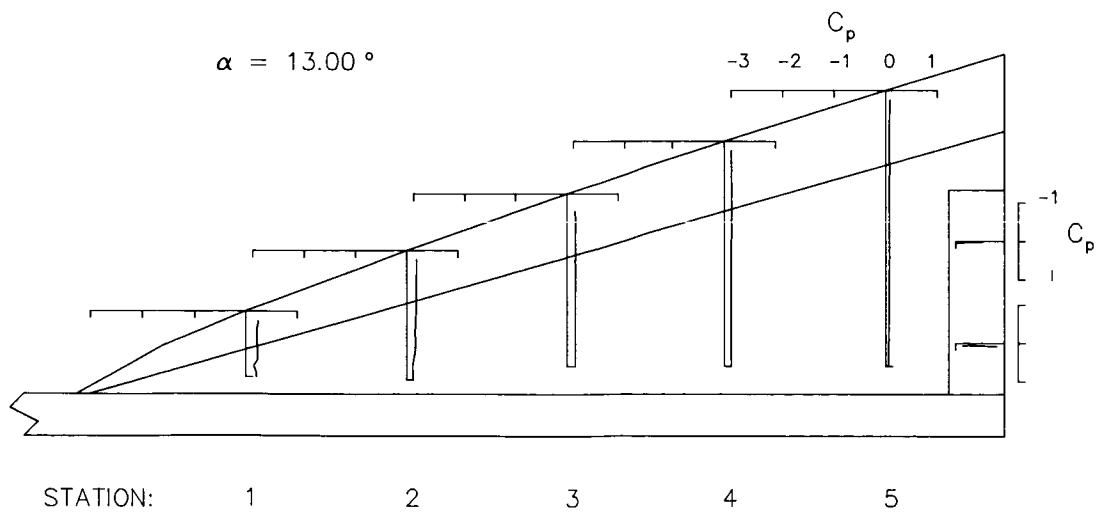
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	.047
46.09	.066	46.09	.037
46.34	.059	46.34	.031
46.59	.060	46.59	.023
46.84	.068	46.84	.019
47.09	*****	47.09	*****
47.34	.086	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 13.981 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.261	6.32	.204	8.34	.172	10.23	.144	12.04	.090
	3.99	.249	6.09	.207	8.05	.186	9.90	*****	11.68	.085
E	3.85	.242	5.86	.206	7.76	.193	9.57	.154	11.32	.078
	3.71	.239	5.63	.202	7.46	.186	9.23	.153	10.96	.083
V	3.57	.237	5.40	.202	7.17	*****	8.90	.155	10.60	.074
	3.43	.240	5.17	.206	6.88	.186	8.57	*****	10.24	.079
F	3.29	.242	4.94	.203	6.59	.192	8.23	.151	9.88	.072
	3.10	.240	4.70	*****	6.30	.179	7.99	.157	9.58	.085
	2.90	.247	4.50	*****	6.10	.188	7.79	.157	9.38	.079
W	2.70	.247	4.30	.198	5.90	.192	7.59	*****	9.18	.080
	2.50	.177	4.10	.190	5.70	.188	7.39	.155	8.98	.079
	2.30	.222	3.90	.191	5.50	.185	7.19	.154	8.78	.074
I	2.10	.235	3.70	.170	5.30	.186	6.99	.154	8.58	.078
			3.50	.188	5.10	.184	6.78	.147	8.38	.077
			3.00	.184	4.50	.182	6.38	.146	7.98	.078
N			2.50	.135	3.50	.182	5.98	.145	7.38	.081
			2.00	.142	2.50	.187	5.50	.147	6.50	.082
							4.50	.148	5.50	.078
G							3.50	.144	4.50	.074
							2.50	.149	3.50	.069
									2.50	.064

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	.050
46.09	.069	46.09	.039
46.34	.066	46.34	.038
46.59	.063	46.59	.027
46.84	.075	46.84	.020
47.09	*****	47.09	*****
47.34	.090	47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 14.950 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.277	6.32	.214	8.34	.179	10.23	.149	12.04	.092
	3.99	.272	6.09	.223	8.05	.203	9.90	*****	11.68	.092
E	3.85	.259	5.86	.223	7.76	.205	9.57	.163	11.32	.087
	3.71	.259	5.63	.219	7.46	.201	9.23	.164	10.96	.089
V	3.57	.259	5.40	.219	7.17	*****	8.90	.168	10.60	.079
	3.43	.258	5.17	.222	6.88	.199	8.57	*****	10.24	.087
F	3.29	.262	4.94	.222	6.59	.207	8.23	.164	9.88	.082
	3.10	.258	4.70	*****	6.30	.193	7.99	.167	9.58	.094
	2.90	.266	4.50	*****	6.10	.201	7.79	.168	9.38	.091
W	2.70	.266	4.30	.213	5.90	.205	7.59	*****	9.18	.087
	2.50	.193	4.10	.209	5.70	.204	7.39	.167	8.98	.087
	2.30	.247	3.90	.210	5.50	.202	7.19	.168	8.78	.083
I	2.10	.255	3.70	.189	5.30	.199	6.99	.165	8.58	.085
			3.50	.206	5.10	.200	6.78	.161	8.38	.086
			3.00	.200	4.50	.197	6.38	.159	7.98	.087
N			2.50	.154	3.50	.198	5.98	.158	7.38	.087
			2.00	.164	2.50	.200	5.50	.158	6.50	.090
							4.50	.157	5.50	.087
G							3.50	.155	4.50	.085
							2.50	.163	3.50	.076
									2.50	.071

TRAILING-EDGE FLAP

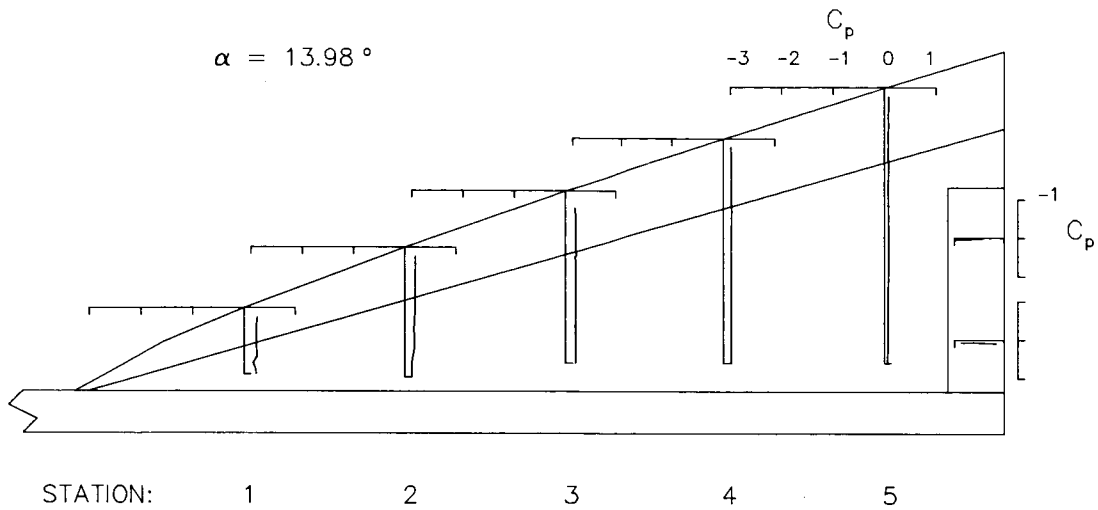
INBOARD

OUTBOARD

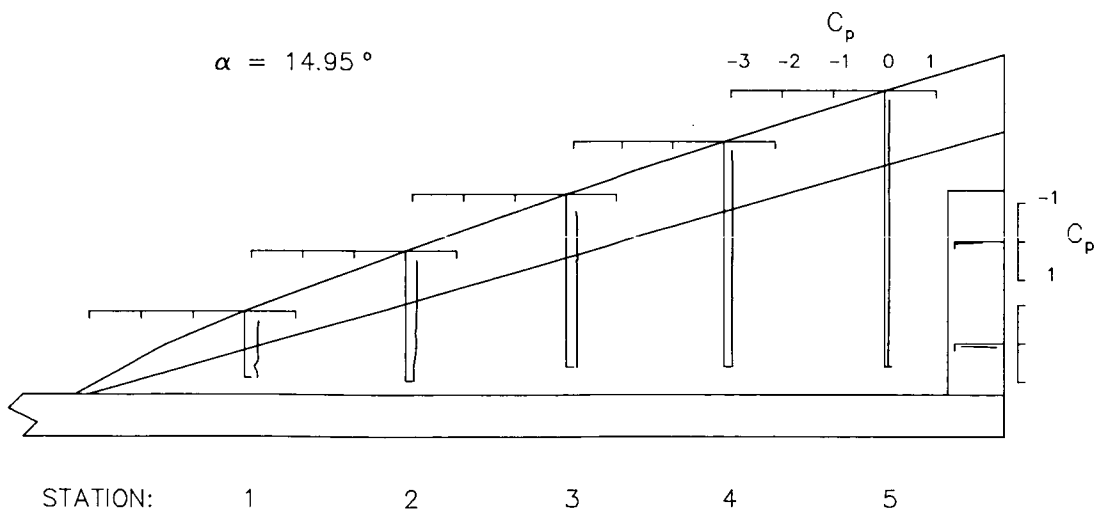
X IN.	CP	X IN.	CP
45.84	*****	45.84	.056
46.09	.077	46.09	.045
46.34	.070	46.34	.040
46.59	.070	46.59	.027
46.84	.079	46.84	.022
47.09	*****	47.09	*****
47.34	.093	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 16.016 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.294	6.32	.227	8.34	.188	10.23	.157	12.04	.097
	3.99	.292	6.09	.240	8.05	.215	9.90	*****	11.68	.099
E	3.85	.279	5.86	.241	7.76	.221	9.57	.176	11.32	.096
	3.71	.279	5.63	.239	7.46	.216	9.23	.179	10.96	.098
V	3.57	.281	5.40	.239	7.17	*****	8.90	.183	10.60	.088
	3.43	.281	5.17	.239	6.88	.217	8.57	*****	10.24	.096
F	3.29	.286	4.94	.241	6.59	.224	8.23	.178	9.88	.094
	3.10	.283	4.70	*****	6.30	.211	7.99	.183	9.58	.103
	2.90	.289	4.50	*****	6.10	.218	7.79	.179	9.38	.099
W	2.70	.289	4.30	.233	5.90	.222	7.59	*****	9.18	.097
	2.50	.215	4.10	.230	5.70	.219	7.39	.182	8.98	.096
	2.30	.271	3.90	.230	5.50	.218	7.19	.180	8.78	.092
I	2.10	.280	3.70	.211	5.30	.218	6.99	.180	8.58	.096
			3.50	.227	5.10	.218	6.78	.176	8.38	.097
			3.00	.222	4.50	.217	6.38	.173	7.98	.098
N			2.50	.177	3.50	.219	5.98	.174	7.38	.098
			2.00	.189	2.50	.219	5.50	.174	6.50	.100
							4.50	.173	5.50	.096
G							3.50	.170	4.50	.094
							2.50	.180	3.50	.087
									2.50	.082

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	.079
46.34	.076
46.59	.073
46.84	.079
47.09	*****
47.34	.095

OUTBOARD

X IN.	CP
45.84	.060
46.09	.050
46.34	.043
46.59	.028
46.84	.023
47.09	*****
47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 19.024 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.335	6.32	.253	8.34	.200	10.23	.162	12.04	.115
	3.99	.336	6.09	.280	8.05	.245	9.90	*****	11.68	.122
E	3.85	.335	5.86	.288	7.76	.258	9.57	.207	11.32	.121
	3.71	.342	5.63	.289	7.46	.260	9.23	.212	10.96	.122
V	3.57	.345	5.40	.294	7.17	*****	8.90	.216	10.60	.114
	3.43	.346	5.17	.295	6.88	.261	8.57	*****	10.24	.119
F	3.29	.352	4.94	.294	6.59	.270	8.23	.213	9.88	.112
	3.10	.325	4.70	*****	6.30	.256	7.99	.219	9.58	.124
	2.90	.355	4.50	*****	6.10	.264	7.79	.214	9.38	.117
W	2.70	.357	4.30	.289	5.90	.269	7.59	*****	9.18	.115
	2.50	.272	4.10	.291	5.70	.269	7.39	.214	8.98	.117
	2.30	.344	3.90	.290	5.50	.267	7.19	.218	8.78	.113
I	2.10	.352	3.70	.270	5.30	.266	6.99	.216	8.58	.115
			3.50	.287	5.10	.265	6.78	.218	8.38	.116
			3.00	.287	4.50	.267	6.38	.214	7.98	.118
N			2.50	.244	3.50	.267	5.98	.213	7.38	.115
			2.00	.250	2.50	.269	5.50	.213	6.50	.118
							4.50	.215	5.50	.117
G							3.50	.211	4.50	.112
							2.50	.215	3.50	.105
									2.50	.101

TRAILING-EDGE FLAP

INBOARD

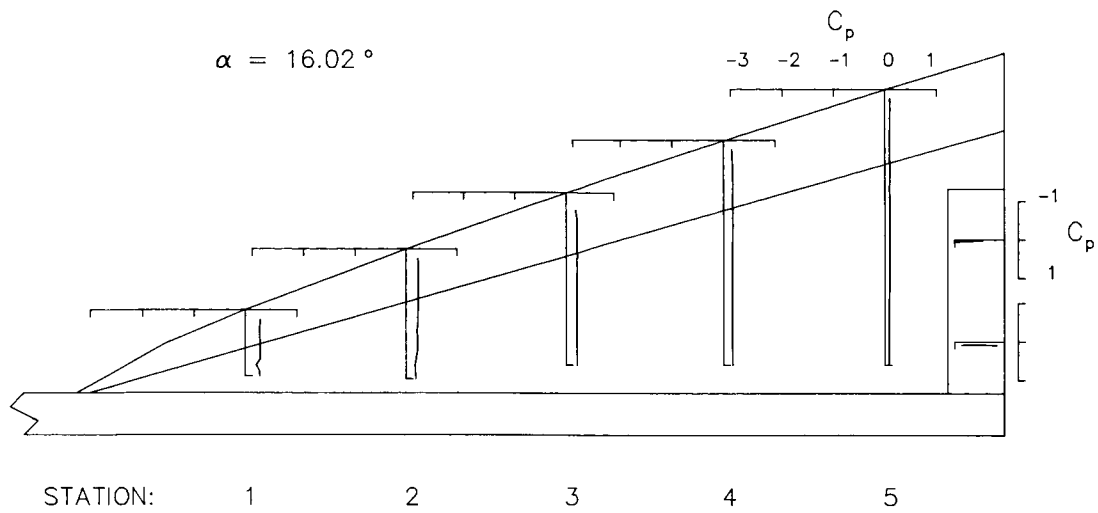
X IN.	CP
45.84	*****
46.09	.066
46.34	.052
46.59	.040
46.84	.037
47.09	*****
47.34	.016

OUTBOARD

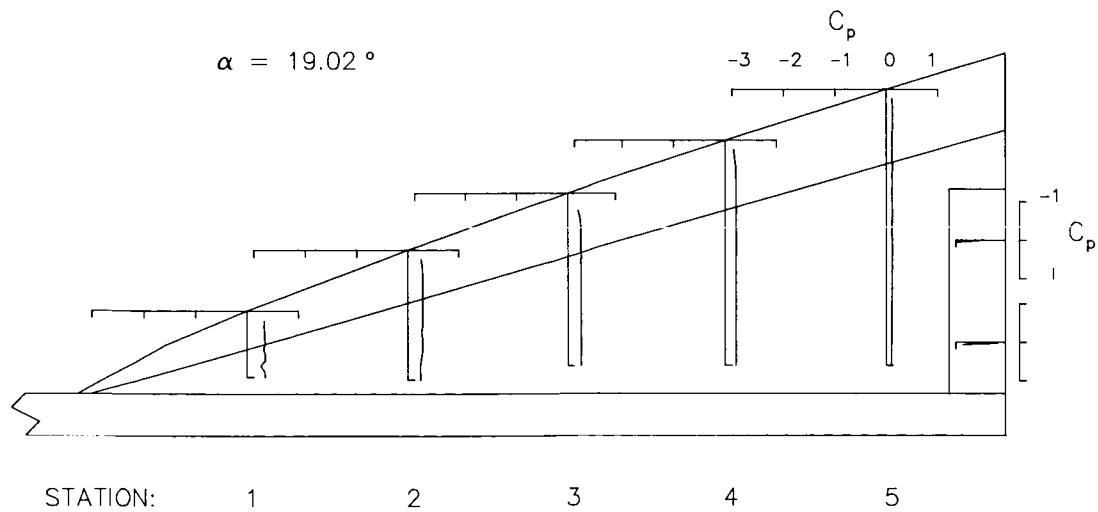
X IN.	CP
45.84	.057
46.09	.041
46.34	.033
46.59	.013
46.84	-.002
47.09	*****
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 21.181 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.362	6.32	.261	8.34	.212	10.23	.177	12.04	.116
E	3.99	.373	6.09	.306	8.05	.272	9.90	*****	11.68	.134
	3.85	.375	5.86	.320	7.76	.291	9.57	.238	11.32	.135
V	3.71	.380	5.63	.323	7.46	.293	9.23	.240	10.96	.138
	3.57	.385	5.40	.331	7.17	*****	8.90	.249	10.60	.129
F	3.43	.390	5.17	.336	6.88	.304	8.57	*****	10.24	.140
	3.29	.396	4.94	.336	6.59	.312	8.23	.245	9.88	.138
	3.10	.340	4.70	*****	6.30	.290	7.99	.249	9.58	.144
W	2.90	.393	4.50	*****	6.10	.301	7.79	.249	9.38	.137
	2.70	.394	4.30	.332	5.90	.301	7.59	*****	9.18	.134
	2.50	.301	4.10	.327	5.70	.301	7.39	.251	8.98	.135
I	2.30	.389	3.90	.327	5.50	.303	7.19	.252	8.78	.130
	2.10	.399	3.70	.311	5.30	.304	6.99	.251	8.58	.139
			3.50	.328	5.10	.306	6.78	.244	8.38	.139
N			3.00	.326	4.50	.304	6.38	.246	7.98	.134
			2.50	.292	3.50	.305	5.98	.245	7.38	.136
			2.00	.306	2.50	.312	5.50	.244	6.50	.137
G							4.50	.245	5.50	.135
							3.50	.245	4.50	.133
							2.50	.257	3.50	.129
									2.50	.128

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	.075
46.09	.064	46.09	.056
46.34	.046	46.34	.044
46.59	.026	46.59	.029
46.84	.017	46.84	.008
47.09	*****	47.09	*****
47.34	-.034	47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 23.563 DEG.

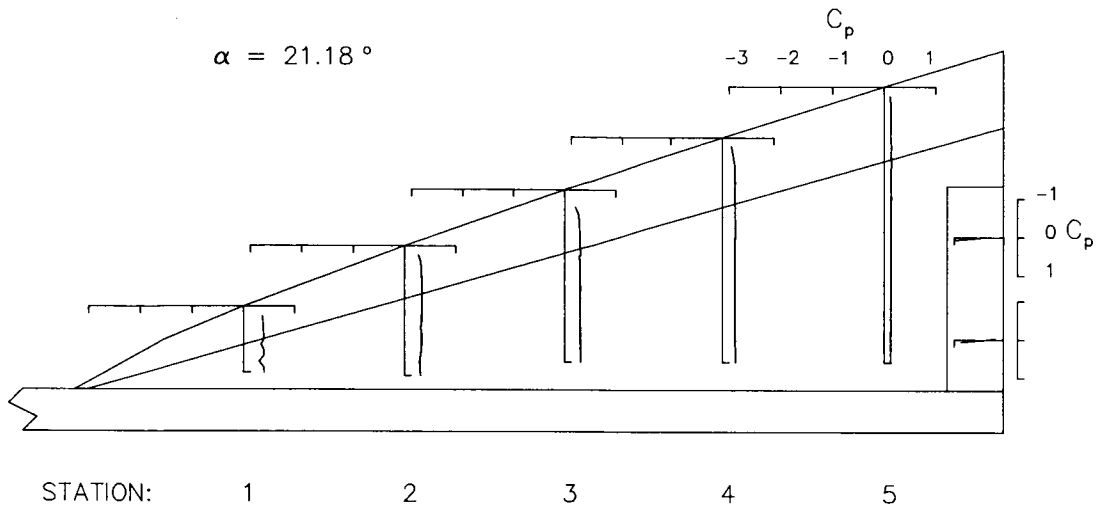
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.384	6.32	.277	8.34	.219	10.23	.185	12.04	.120
E	3.99	.405	6.09	.334	8.05	.297	9.90	*****	11.68	.153
	3.85	.414	5.86	.356	7.76	.322	9.57	.267	11.32	.156
V	3.71	.426	5.63	.364	7.46	.329	9.23	.271	10.96	.158
	3.57	.433	5.40	.371	7.17	*****	8.90	.282	10.60	.153
F	3.43	.435	5.17	.379	6.88	.340	8.57	*****	10.24	.161
	3.29	.442	4.94	.384	6.59	.351	8.23	.281	9.88	.155
	3.10	.375	4.70	*****	6.30	.336	7.99	.281	9.58	.163
W	2.90	.440	4.50	*****	6.10	.341	7.79	.282	9.38	.156
	2.70	.444	4.30	.377	5.90	.342	7.59	*****	9.18	.156
	2.50	.340	4.10	.372	5.70	.345	7.39	.282	8.98	.156
I	2.30	.441	3.90	.377	5.50	.344	7.19	.282	8.78	.155
	2.10	.451	3.70	.362	5.30	.345	6.99	.284	8.58	.155
			3.50	.378	5.10	.342	6.78	.278	8.38	.158
N			3.00	.381	4.50	.345	6.38	.284	7.98	.160
			2.50	.351	3.50	.353	5.98	.284	7.38	.158
			2.00	.355	2.50	.358	5.50	.281	6.50	.156
G							4.50	.286	5.50	.159
							3.50	.285	4.50	.154
							2.50	.289	3.50	.150
									2.50	.145

TRAILING-EDGE FLAP

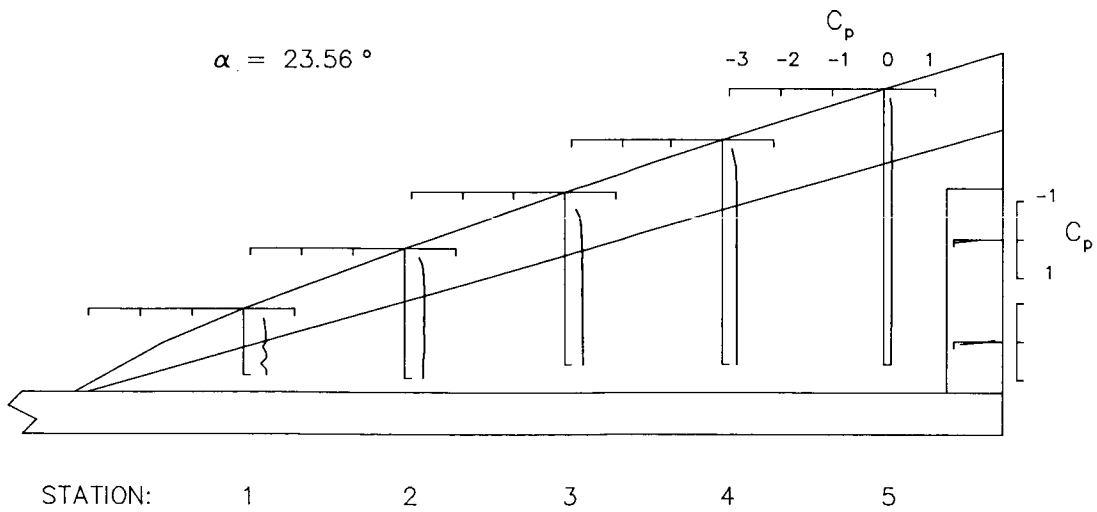
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	.077
46.09	.070	46.09	.059
46.34	.052	46.34	.040
46.59	.032	46.59	.021
46.84	.021	46.84	-.002
47.09	*****	47.09	*****
47.34	-.044	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= .021 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.254	6.32	-.177	8.34	-.100	10.23	-.063	12.04	-.037
	3.99	-.368	6.09	-.188	8.05	-.118	9.90	*****	11.68	-.048
E	3.85	-.293	5.86	-.273	7.76	-.122	9.57	-.076	11.32	-.062
	3.71	-.056	5.63	-.292	7.46	-.232	9.23	-.093	10.96	-.062
V	3.57	-.013	5.40	-.148	7.17	*****	8.90	-.131	10.60	-.099
	3.43	-.016	5.17	-.017	6.88	-.079	8.57	*****	10.24	-.121
F	3.29	-.017	4.94	.000	6.59	-.007	8.23	-.053	9.88	-.087
	3.10	-.015	4.70	*****	6.30	-.025	7.99	-.028	9.58	-.046
	2.90	-.011	4.50	*****	6.10	.006	7.79	-.019	9.38	-.058
W	2.70	-.020	4.30	-.013	5.90	.015	7.59	*****	9.18	-.052
	2.50	-.046	4.10	-.020	5.70	.016	7.39	.010	8.98	-.015
	2.30	-.055	3.90	-.026	5.50	.012	7.19	.028	8.78	.004
I	2.10	-.038	3.70	-.053	5.30	.012	6.99	.026	8.58	.030
			3.50	-.038	5.10	.007	6.78	.024	8.38	.040
N			3.00	-.051	4.50	.000	6.38	.016	7.98	.057
			2.50	-.104	3.50	.001	5.98	.013	7.38	.057
G			2.00	-.086	2.50	.005	5.50	.014	6.50	.060
							4.50	.013	5.50	.062
							3.50	.011	4.50	.058
							2.50	.019	3.50	.053
									2.50	.041

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	.220
46.09	.200	46.09	.162
46.34	.142	46.34	.114
46.59	.087	46.59	.068
46.84	.047	46.84	.027
47.09	*****	47.09	*****
47.34	-.078	47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 2.069 DEG.

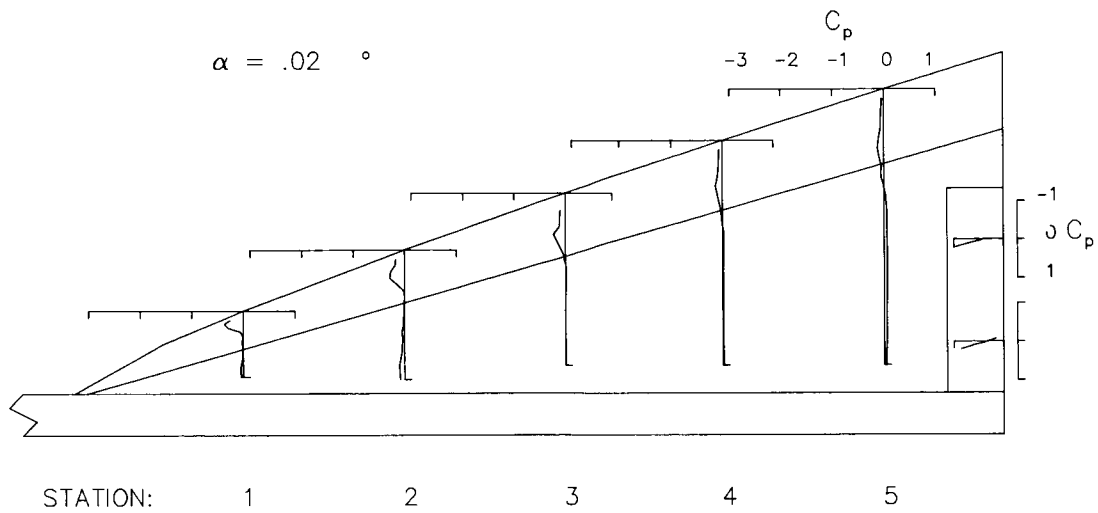
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.076	6.32	-.095	8.34	-.039	10.23	-.005	12.04	-.002
	3.99	-.038	6.09	-.063	8.05	-.036	9.90	*****	11.68	-.006
E	3.85	-.014	5.86	-.040	7.76	-.044	9.57	-.004	11.32	-.006
	3.71	.004	5.63	.004	7.46	.001	9.23	-.024	10.96	-.005
V	3.57	.009	5.40	.007	7.17	*****	8.90	.039	10.60	-.010
	3.43	.017	5.17	.019	6.88	.033	8.57	*****	10.24	-.002
F	3.29	.020	4.94	.027	6.59	.039	8.23	.042	9.88	-.014
	3.10	.025	4.70	*****	6.30	.026	7.99	.045	9.58	.038
	2.90	.028	4.50	*****	6.10	.042	7.79	.046	9.38	.040
W	2.70	.025	4.30	.020	5.90	.047	7.59	*****	9.18	.040
	2.50	-.011	4.10	.011	5.70	.043	7.39	.046	8.98	.042
	2.30	-.015	3.90	.005	5.50	.035	7.19	.046	8.78	.040
I	2.10	.003	3.70	-.020	5.30	.035	6.99	.042	8.58	.042
			3.50	-.005	5.10	.031	6.78	.034	8.38	.040
N			3.00	-.019	4.50	.023	6.38	.025	7.98	.048
			2.50	-.066	3.50	.027	5.98	.029	7.38	.054
G			2.00	-.052	2.50	.031	5.50	.031	6.50	.063
							4.50	.029	5.50	.066
							3.50	.030	4.50	.064
							2.50	.038	3.50	.060
									2.50	.051

TRAILING-EDGE FLAP

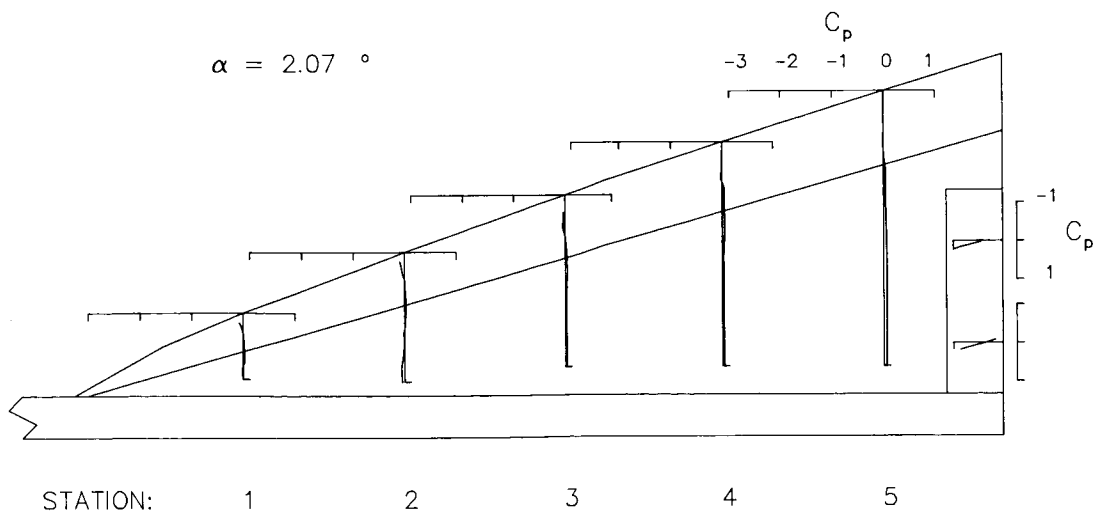
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	.231
46.09	.188	46.09	.170
46.34	.129	46.34	.122
46.59	.079	46.59	.074
46.84	.037	46.84	.031
47.09	*****	47.09	*****
47.34	-.084	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 4.096 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.026	6.32	.021	8.34	.034	10.23	.039	12.04	.036
	3.99	.051	6.09	.025	8.05	.045	9.90	*****	11.68	.018
E	3.85	.032	5.86	.039	7.76	.049	9.57	.042	11.32	.017
	3.71	.039	5.63	.039	7.46	.049	9.23	.047	10.96	.027
V	3.57	.042	5.40	.042	7.17	*****	8.90	.061	10.60	.023
	3.43	.049	5.17	.048	6.88	.060	8.57	*****	10.24	.038
F	3.29	.058	4.94	.054	6.59	.070	8.23	.059	9.88	.039
	3.10	.060	4.70	*****	6.30	.057	7.99	.062	9.58	.048
	2.90	.063	4.50	*****	6.10	.064	7.79	.061	9.38	.046
W	2.70	.059	4.30	.045	5.90	.067	7.59	*****	9.18	.046
	2.50	.013	4.10	.038	5.70	.061	7.39	.064	8.98	.048
	2.30	.023	3.90	.034	5.50	.057	7.19	.060	8.78	.043
I	2.10	.036	3.70	.009	5.30	.056	6.99	.056	8.58	.048
			3.50	.025	5.10	.052	6.78	.051	8.38	.050
			3.30	.012	4.90	.049	6.58	.042	8.18	.052
N			3.00	-.035	4.50	.052	6.38	.046	7.98	.062
			2.50	-.021	3.50	.053	6.18	.049	7.78	.073
							5.98	.046	7.58	.077
							5.78	.049	7.38	.077
							5.58	.047	7.18	.077
							5.38	.049	6.98	.073
							5.18	.058	6.78	.073
							4.98	.058	6.58	.073
							4.78	.058	6.38	.073
							4.58	.058	6.18	.073
							4.38	.058	5.98	.073
							4.18	.058	5.78	.073
							3.98	.058	5.58	.073
							3.78	.058	5.38	.073
							3.58	.058	5.18	.073
							3.38	.058	4.98	.073
							3.18	.058	4.78	.073
							2.98	.058	4.58	.073
							2.78	.058	4.38	.073
							2.58	.058	4.18	.073
							2.38	.058	3.98	.073
							2.18	.058	3.78	.073
							1.98	.058	3.58	.073
							1.78	.058	3.38	.073
							1.58	.058	3.18	.073
							1.38	.058	2.98	.073
							1.18	.058	2.78	.073
							0.98	.058	2.58	.073
							0.78	.058	2.38	.073
							0.58	.058	2.18	.073
							0.38	.058	1.98	.073
							0.18	.058	1.78	.073
							0.00	.058	1.58	.073

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	.242
46.09	.186	46.09	.180
46.34	.130	46.34	.131
46.59	.078	46.59	.081
46.84	.036	46.84	.040
47.09	*****	47.09	*****
47.34	-.086	47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 6.092 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.083	6.32	.073	8.34	.084	10.23	.087	12.04	.062
	3.99	.096	6.09	.078	8.05	.086	9.90	*****	11.68	.040
E	3.85	.075	5.86	.075	7.76	.082	9.57	.072	11.32	.036
	3.71	.079	5.63	.074	7.46	.081	9.23	.071	10.96	.043
V	3.57	.085	5.40	.074	7.17	*****	8.90	.081	10.60	.038
	3.43	.085	5.17	.080	6.88	.085	8.57	*****	10.24	.049
F	3.29	.088	4.94	.085	6.59	.092	8.23	.080	9.88	.049
	3.10	.097	4.70	*****	6.30	.085	7.99	.084	9.58	.062
	2.90	.098	4.50	*****	6.10	.089	7.79	.082	9.38	.060
W	2.70	.092	4.30	.074	5.90	.089	7.59	*****	9.18	.057
	2.50	.038	4.10	.069	5.70	.084	7.39	.084	8.98	.060
	2.30	.059	3.90	.065	5.50	.082	7.19	.081	8.78	.060
I	2.10	.071	3.70	.042	5.30	.080	6.99	.077	8.58	.061
			3.50	.056	5.10	.079	6.78	.074	8.38	.060
			3.30	.046	4.90	.076	6.58	.066	8.18	.070
N			3.00	-.005	4.50	.077	6.38	.070	7.98	.076
			2.50	.007	3.50	.077	6.18	.071	7.78	.086
							5.98	.071	7.58	.090
							5.78	.071	7.38	.091
							5.58	.069	7.18	.091
							5.38	.075	6.98	.085
							5.18	.075	6.78	.085
							4.98	.075	6.58	.085
							4.78	.075	6.38	.085
							4.58	.075	6.18	.085
							4.38	.075	5.98	.085
							4.18	.075	5.78	.085
							3.98	.075	5.58	.085
							3.78	.075	5.38	.085
							3.58	.075	5.18	.085
							3.38	.075	4.98	.085
							3.18	.075	4.78	.085
							2.98	.075	4.58	.085
							2.78	.075	4.38	.085
							2.58	.075	4.18	.085
							2.38	.075	3.98	.085
							2.18	.075	3.78	.085
							1.98	.075	3.58	.085
							1.78	.075	3.38	.085
							1.58	.075	3.18	.085
							1.38	.075	2.98	.085
							1.18	.075	2.78	.085
							0.98	.075	2.58	.085
							0.78	.075	2.38	.085
							0.58	.075	2.18	.085
							0.38	.075	1.98	.085
							0.18	.075	1.78	.085
							0.00	.075	1.58	.085

TRAILING-EDGE FLAP

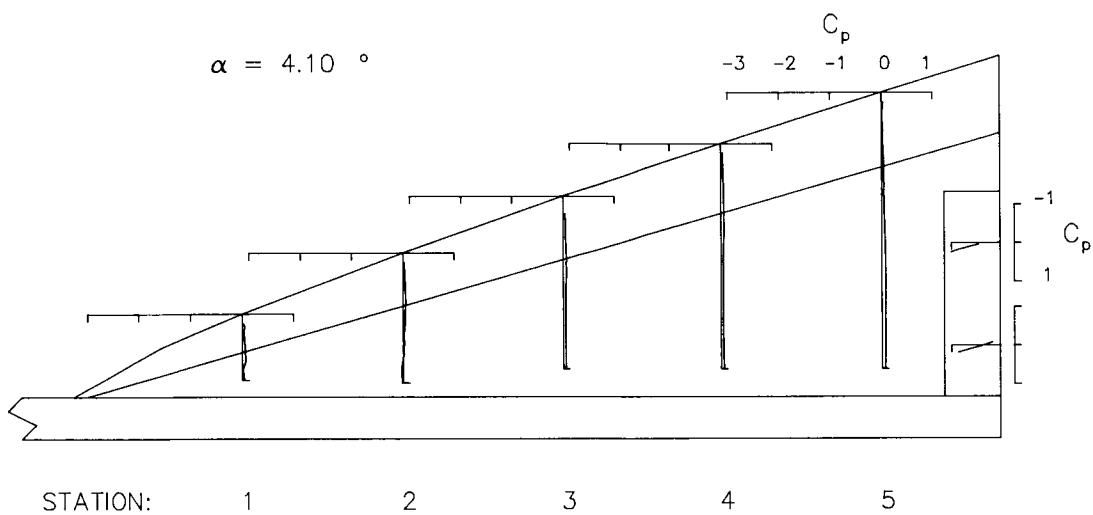
INBOARD

OUTBOARD

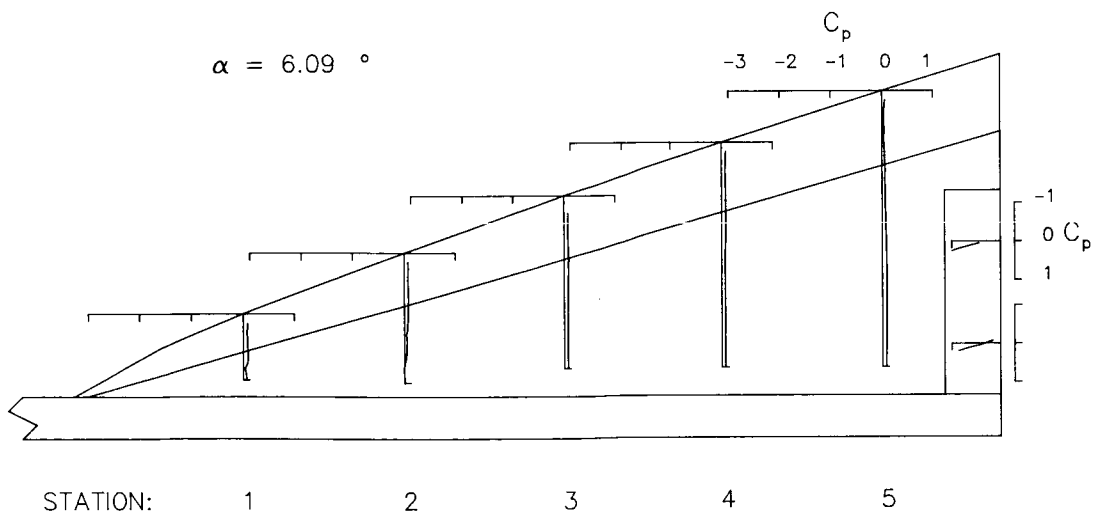
X IN.	CP	X IN.	CP
45.84	*****	45.84	.255
46.09	.195	46.09	.192
46.34	.140	46.34	.143
46.59	.089	46.59	.094
46.84	.046	46.84	.049
47.09	*****	47.09	*****
47.34	-.078	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 8.197 DEG.

STATION 1			STATION 2			STATION 3			STATION 4			STATION 5		
	Y IN.	CP	Y IN.	CP		Y IN.	CP		Y IN.	CP		Y IN.	CP	
L	4.13	.132	6.32	.117		8.34	.117		10.23	.108		12.04	.074	
	3.99	.141	6.09	.118		8.05	.116		9.90	*****		11.68	.055	
E	3.85	.123	5.86	.113		7.76	.117		9.57	.098		11.32	.051	
	3.71	.123	5.63	.111		7.46	.109		9.23	.095		10.96	.055	
V	3.57	.126	5.40	.107		7.17	*****		8.90	.102		10.60	.050	
	3.43	.127	5.17	.112		6.88	.113		8.57	*****		10.24	.061	
F	3.29	.128	4.94	.115		6.59	.119		8.23	.101		9.88	.059	
	3.10	.131	4.70	*****		6.30	.109		7.99	.103		9.58	.070	
	2.90	.134	4.50	*****		6.10	.113		7.79	.103		9.38	.069	
W	2.70	.132	4.30	.106		5.90	.117		7.59	*****		9.18	.070	
	2.50	.072	4.10	.101		5.70	.112		7.39	.105		8.98	.070	
	2.30	.099	3.90	.096		5.50	.108		7.19	.102		8.78	.070	
I	2.10	.112	3.70	.073		5.30	.111		6.99	.100		8.58	.073	
			3.50	.089		5.10	.107		6.78	.096		8.38	.075	
			3.00	.080		4.50	.103		6.38	.089		7.98	.081	
N			2.50	.032		3.50	.107		5.98	.091		7.38	.089	
			2.00	.043		2.50	.108		5.50	.092		6.50	.101	
									4.50	.094		5.50	.104	
G									3.50	.092		4.50	.103	
									2.50	.099		3.50	.100	
												2.50	.091	

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	.270
46.09	.203	46.09	.202
46.34	.148	46.34	.153
46.59	.093	46.59	.102
46.84	.052	46.84	.057
47.09	*****	47.09	*****
47.34	-.074	47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 9.093 DEG.

STATION 1			STATION 2			STATION 3			STATION 4			STATION 5		
	Y IN.	CP	Y IN.	CP		Y IN.	CP		Y IN.	CP		Y IN.	CP	
L	4.13	.155	6.32	.133		8.34	.129		10.23	.117		12.04	.073	
	3.99	.160	6.09	.134		8.05	.128		9.90	*****		11.68	.055	
E	3.85	.140	5.86	.128		7.76	.128		9.57	.107		11.32	.048	
	3.71	.140	5.63	.124		7.46	.121		9.23	.105		10.96	.052	
V	3.57	.141	5.40	.124		7.17	*****		8.90	.110		10.60	.048	
	3.43	.144	5.17	.125		6.88	.125		8.57	*****		10.24	.055	
F	3.29	.143	4.94	.128		6.59	.129		8.23	.107		9.88	.053	
	3.10	.147	4.70	*****		6.30	.119		7.99	.113		9.58	.066	
	2.90	.152	4.50	*****		6.10	.125		7.79	.109		9.38	.064	
W	2.70	.147	4.30	.119		5.90	.128		7.59	*****		9.18	.065	
	2.50	.089	4.10	.114		5.70	.125		7.39	.111		8.98	.066	
	2.30	.119	3.90	.112		5.50	.123		7.19	.110		8.78	.064	
I	2.10	.129	3.70	.087		5.30	.120		6.99	.107		8.58	.070	
			3.50	.103		5.10	.118		6.78	.104		8.38	.069	
			3.00	.098		4.50	.117		6.38	.099		7.98	.077	
N			2.50	.046		3.50	.118		5.98	.099		7.38	.087	
			2.00	.059		2.50	.121		5.50	.100		6.50	.098	
									4.50	.104		5.50	.104	
G									3.50	.098		4.50	.106	
									2.50	.107		3.50	.100	
												2.50	.092	

TRAILING-EDGE FLAP

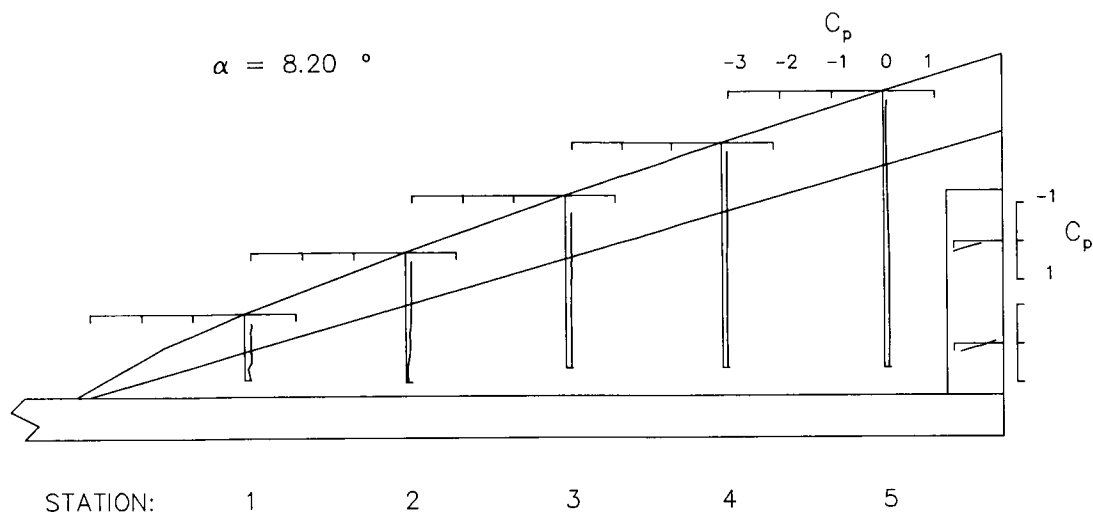
INBOARD

OUTBOARD

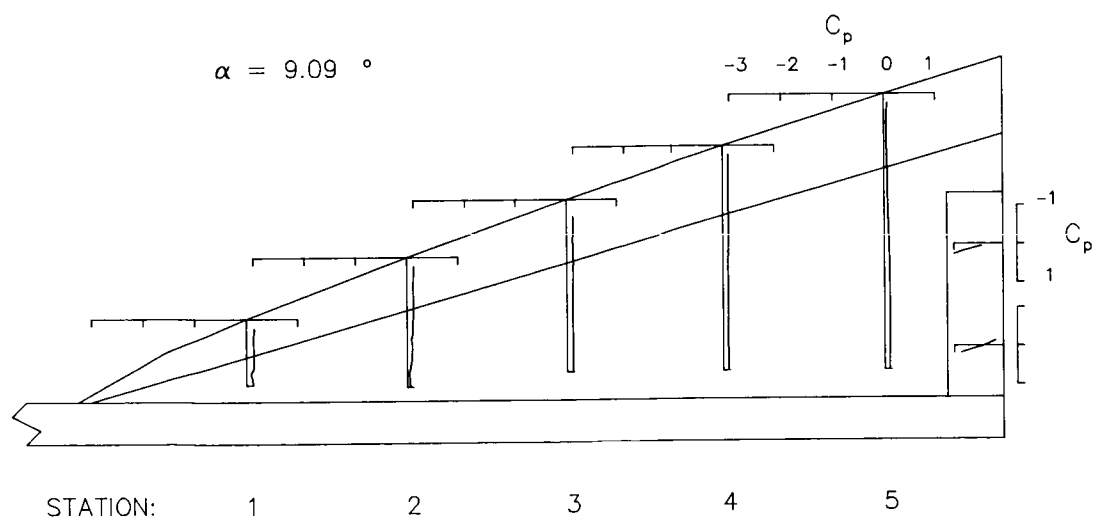
X IN.	CP	X IN.	CP
45.84	*****	45.84	.273
46.09	.183	46.09	.206
46.34	.122	46.34	.154
46.59	.066	46.59	.103
46.84	.015	46.84	.058
47.09	*****	47.09	*****
47.34	-.141	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 9.990 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.173	6.32	.150	8.34	.139	10.23	.124	12.04	.077
	3.99	.177	6.09	.147	8.05	.139	9.90	*****	11.68	.061
E	3.85	.159	5.86	.144	7.76	.140	9.57	.114	11.32	.053
	3.71	.156	5.63	.139	7.46	.132	9.23	.113	10.96	.059
V	3.57	.159	5.40	.137	7.17	*****	8.90	.120	10.60	.051
	3.43	.159	5.17	.140	6.88	.135	8.57	*****	10.24	.061
F	3.29	.161	4.94	.143	6.59	.141	8.23	.117	9.88	.058
	3.10	.166	4.70	*****	6.30	.132	7.99	.121	9.58	.072
	2.90	.169	4.50	*****	6.10	.137	7.79	.118	9.38	.068
W	2.70	.163	4.30	.132	5.90	.137	7.59	*****	9.18	.069
	2.50	.102	4.10	.128	5.70	.135	7.39	.121	8.98	.070
	2.30	.136	3.90	.127	5.50	.133	7.19	.119	8.78	.070
I	2.10	.148	3.70	.102	5.30	.133	6.99	.116	8.58	.075
			3.50	.119	5.10	.131	6.78	.113	8.38	.075
N			3.00	.110	4.50	.129	6.38	.109	7.98	.086
			2.50	.063	3.50	.132	5.98	.108	7.38	.093
			2.00	.074	2.50	.131	5.50	.111	6.50	.102
G							4.50	.111	5.50	.109
							3.50	.110	4.50	.111
							2.50	.118	3.50	.106
									2.50	.099

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	.280
46.09	.186	46.09	.210
46.34	.126	46.34	.158
46.59	.070	46.59	.105
46.84	.019	46.84	.063
47.09	*****	47.09	*****
47.34	-.134	47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 11.065 DEG.

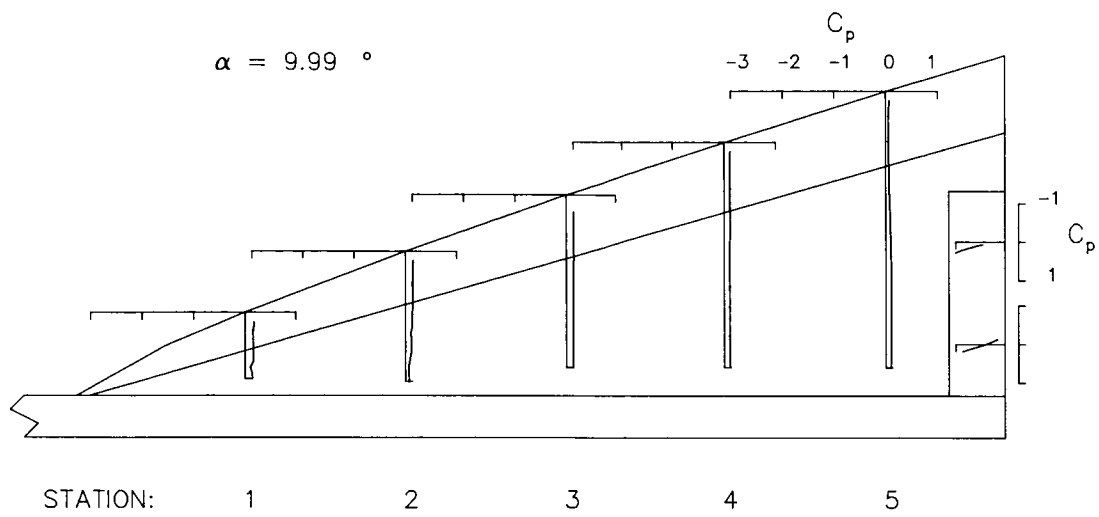
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.195	6.32	.168	8.34	.150	10.23	.133	12.04	.083
	3.99	.199	6.09	.167	8.05	.156	9.90	*****	11.68	.076
E	3.85	.181	5.86	.163	7.76	.155	9.57	.133	11.32	.072
	3.71	.180	5.63	.156	7.46	.149	9.23	.128	10.96	.075
V	3.57	.180	5.40	.154	7.17	*****	8.90	.136	10.60	.070
	3.43	.181	5.17	.158	6.88	.152	8.57	*****	10.24	.081
F	3.29	.182	4.94	.158	6.59	.158	8.23	.132	9.88	.079
	3.10	.186	4.70	*****	6.30	.148	7.99	.133	9.58	.090
	2.90	.191	4.50	*****	6.10	.159	7.79	.135	9.38	.089
W	2.70	.185	4.30	.151	5.90	.154	7.59	*****	9.18	.087
	2.50	.121	4.10	.146	5.70	.153	7.39	.137	8.98	.091
	2.30	.162	3.90	.144	5.50	.153	7.19	.137	8.78	.091
I	2.10	.173	3.70	.122	5.30	.152	6.99	.134	8.58	.096
			3.50	.139	5.10	.148	6.78	.129	8.38	.098
N			3.00	.129	4.50	.145	6.38	.126	7.98	.108
			2.50	.083	3.50	.147	5.98	.126	7.38	.117
			2.00	.094	2.50	.151	5.50	.128	6.50	.124
G							4.50	.127	5.50	.131
							3.50	.126	4.50	.132
							2.50	.135	3.50	.127
									2.50	.116

TRAILING-EDGE FLAP

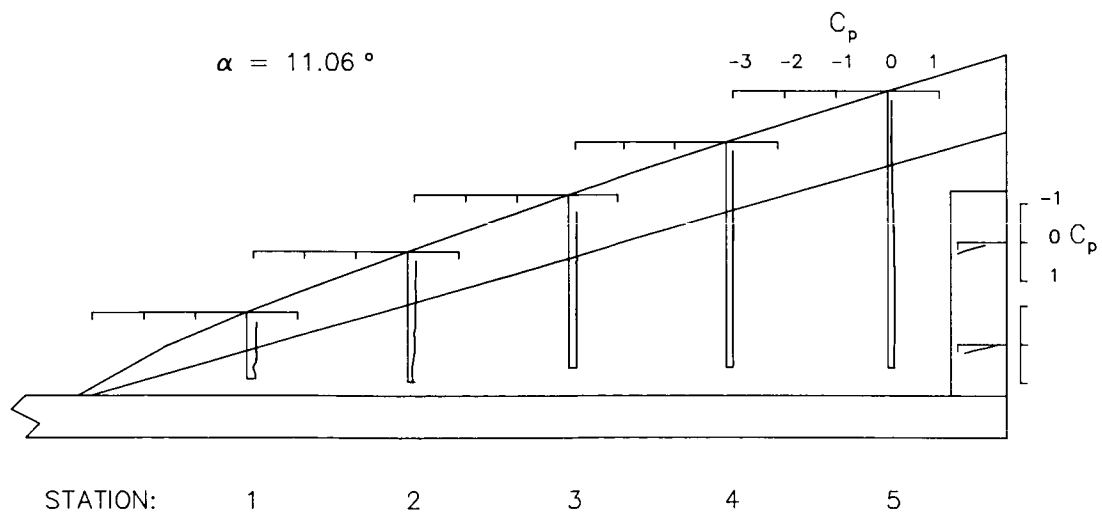
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	.297
46.09	.224	46.09	.227
46.34	.172	46.34	.171
46.59	.124	46.59	.122
46.84	.087	46.84	.073
47.09	*****	47.09	*****
47.34	-.018	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 11.994 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.219	6.32	.179	8.34	.158	10.23	.137	12.04	.083
E	3.99	.215	6.09	.181	8.05	.166	9.90	*****	11.68	.082
	3.85	.202	5.86	.177	7.76	.172	9.57	.142	11.32	.079
V	3.71	.200	5.63	.174	7.46	.164	9.23	.140	10.96	.084
	3.57	.199	5.40	.169	7.17	*****	8.90	.146	10.60	.078
F	3.43	.200	5.17	.175	6.88	.165	8.57	*****	10.24	.087
	3.29	.204	4.94	.175	6.59	.172	8.23	.143	9.88	.084
	3.10	.203	4.70	*****	6.30	.160	7.99	.144	9.58	.096
W	2.90	.209	4.50	*****	6.10	.167	7.79	.146	9.38	.092
	2.70	.202	4.30	.169	5.90	.167	7.59	*****	9.18	.097
	2.50	.138	4.10	.160	5.70	.167	7.39	.146	8.98	.098
I	2.30	.180	3.90	.162	5.50	.164	7.19	.148	8.78	.096
	2.10	.194	3.70	.140	5.30	.165	6.99	.146	8.58	.103
			3.50	.158	5.10	.162	6.78	.139	8.38	.106
N			3.00	.148	4.50	.158	6.38	.140	7.98	.114
			2.50	.102	3.50	.161	5.98	.140	7.38	.123
G			2.00	.109	2.50	.164	5.50	.141	6.50	.132
							4.50	.141	5.50	.138
							3.50	.139	4.50	.138
							2.50	.145	3.50	.133
									2.50	.124

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	.301
46.09	.215	46.09	.231
46.34	.157	46.34	.178
46.59	.115	46.59	.124
46.84	.076	46.84	.078
47.09	*****	47.09	*****
47.34	-.036	47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 13.016 DEG.

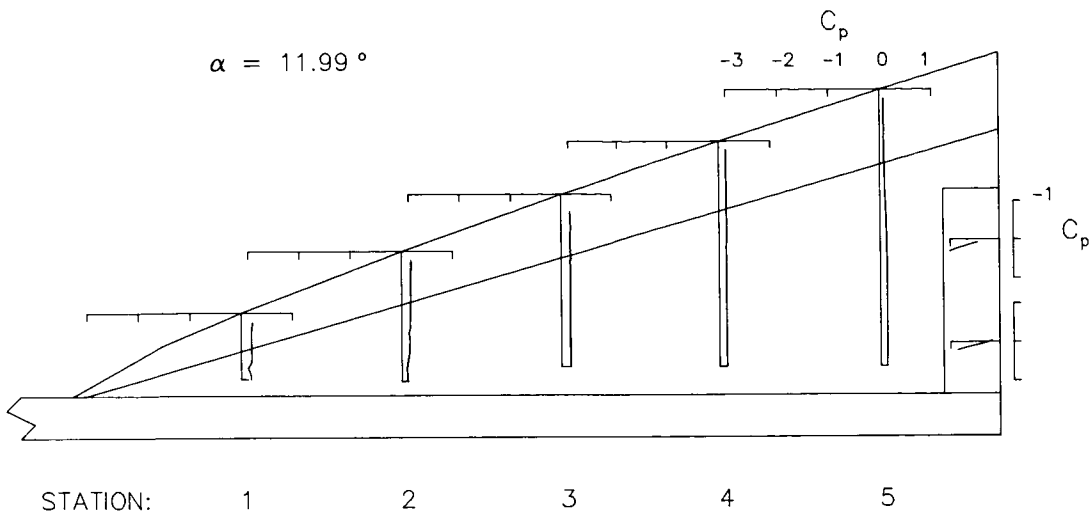
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.249	6.32	.194	8.34	.170	10.23	.145	12.04	.085
E	3.99	.238	6.09	.198	8.05	.183	9.90	*****	11.68	.083
	3.85	.224	5.86	.194	7.76	.186	9.57	.155	11.32	.080
V	3.71	.221	5.63	.192	7.46	.178	9.23	.153	10.96	.084
	3.57	.220	5.40	.189	7.17	*****	8.90	.157	10.60	.075
F	3.43	.222	5.17	.190	6.88	.179	8.57	*****	10.24	.087
	3.29	.223	4.94	.192	6.59	.184	8.23	.155	9.88	.080
	3.10	.223	4.70	*****	6.30	.173	7.99	.158	9.58	.095
W	2.90	.227	4.50	*****	6.10	.178	7.79	.154	9.38	.094
	2.70	.225	4.30	.184	5.90	.182	7.59	*****	9.18	.094
	2.50	.159	4.10	.179	5.70	.182	7.39	.157	8.98	.095
I	2.30	.205	3.90	.179	5.50	.180	7.19	.158	8.78	.094
	2.10	.216	3.70	.158	5.30	.180	6.99	.156	8.58	.102
			3.50	.173	5.10	.177	6.78	.152	8.38	.102
N			3.00	.165	4.50	.176	6.38	.150	7.98	.113
			2.50	.121	3.50	.177	5.98	.150	7.38	.119
G			2.00	.129	2.50	.181	5.50	.151	6.50	.131
							4.50	.150	5.50	.140
							3.50	.151	4.50	.141
							2.50	.156	3.50	.136
									2.50	.129

TRAILING-EDGE FLAP

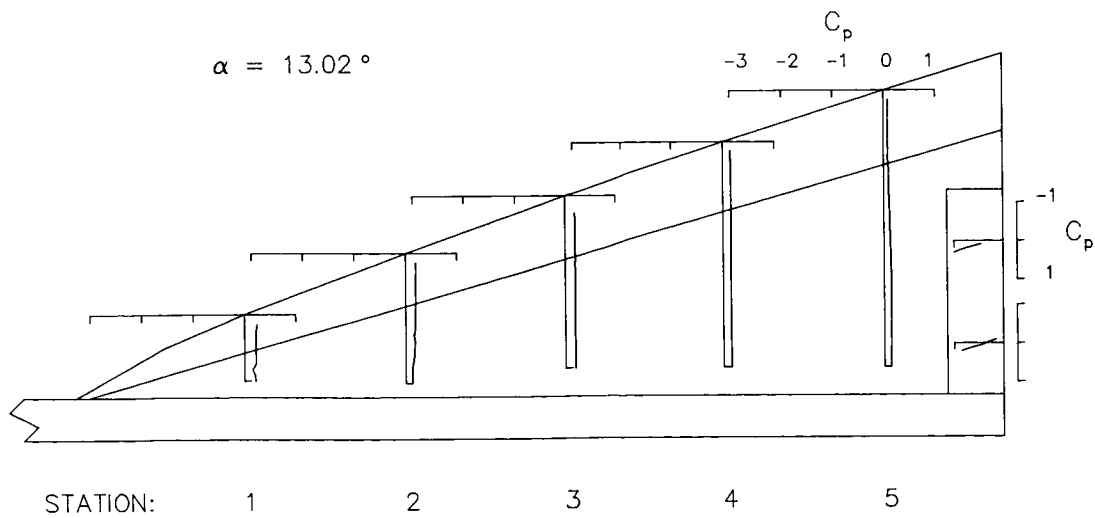
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	.307
46.09	.209	46.09	.233
46.34	.150	46.34	.181
46.59	.095	46.59	.129
46.84	.046	46.84	.081
47.09	*****	47.09	*****
47.34	-.102	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEVF}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 13.974 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.263	6.32	.205	8.34	.175	10.23	.152	12.04	.089
	3.99	.255	6.09	.212	8.05	.194	9.90	*****	11.68	.088
E	3.85	.241	5.86	.206	7.76	.197	9.57	.163	11.32	.086
	3.71	.239	5.63	.202	7.46	.191	9.23	.163	10.96	.092
V	3.57	.242	5.40	.203	7.17	*****	8.90	.169	10.60	.086
	3.43	.239	5.17	.205	6.88	.191	8.57	*****	10.24	.094
F	3.29	.243	4.94	.211	6.59	.199	8.23	.161	9.88	.090
	3.10	.241	4.70	*****	6.30	.188	7.99	.167	9.58	.104
	2.90	.246	4.50	*****	6.10	.191	7.79	.165	9.38	.103
W	2.70	.246	4.30	.202	5.90	.197	7.59	*****	9.18	.102
	2.50	.176	4.10	.197	5.70	.195	7.39	.173	8.98	.105
	2.30	.223	3.90	.194	5.50	.191	7.19	.172	8.78	.107
I	2.10	.235	3.70	.174	5.30	.193	6.99	.169	8.58	.109
			3.50	.192	5.10	.195	6.78	.164	8.38	.114
			3.00	.187	4.50	.192	6.38	.160	7.98	.125
N			2.50	.140	3.50	.192	5.98	.161	7.38	.130
			2.00	.149	2.50	.194	5.50	.163	6.50	.143
							4.50	.165	5.50	.150
G							3.50	.162	4.50	.147
							2.50	.170	3.50	.144
									2.50	.138

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	.308
46.09	.221	46.09	.239
46.34	.164	46.34	.186
46.59	.109	46.59	.131
46.84	.058	46.84	.083
47.09	*****	47.09	*****
47.34	-.091	47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 14.984 DEG.

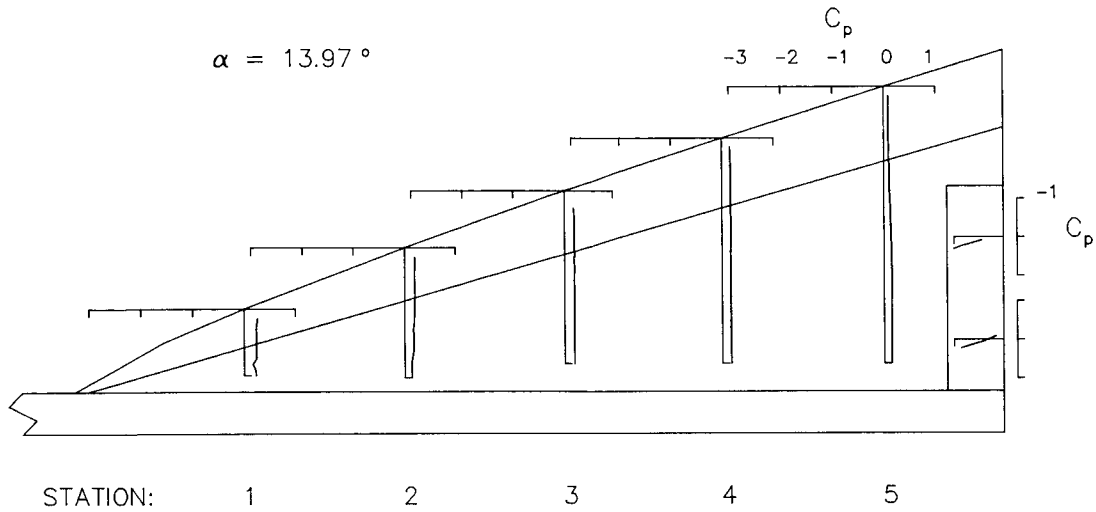
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.280	6.32	.215	8.34	.183	10.23	.156	12.04	.094
	3.99	.274	6.09	.224	8.05	.207	9.90	*****	11.68	.096
E	3.85	.260	5.86	.225	7.76	.211	9.57	.175	11.32	.094
	3.71	.260	5.63	.225	7.46	.206	9.23	.174	10.96	.100
V	3.57	.261	5.40	.224	7.17	*****	8.90	.179	10.60	.093
	3.43	.263	5.17	.225	6.88	.210	8.57	*****	10.24	.101
F	3.29	.261	4.94	.227	6.59	.212	8.23	.177	9.88	.096
	3.10	.257	4.70	*****	6.30	.200	7.99	.181	9.58	.110
	2.90	.268	4.50	*****	6.10	.209	7.79	.180	9.38	.110
W	2.70	.265	4.30	.214	5.90	.211	7.59	*****	9.18	.109
	2.50	.191	4.10	.216	5.70	.208	7.39	.181	8.98	.111
	2.30	.247	3.90	.215	5.50	.208	7.19	.182	8.78	.113
I	2.10	.260	3.70	.196	5.30	.209	6.99	.176	8.58	.119
			3.50	.211	5.10	.207	6.78	.179	8.38	.118
			3.00	.208	4.50	.207	6.38	.176	7.98	.129
N			2.50	.161	3.50	.208	5.98	.176	7.38	.139
			2.00	.170	2.50	.211	5.50	.178	6.50	.150
							4.50	.180	5.50	.153
G							3.50	.177	4.50	.156
							2.50	.183	3.50	.152
									2.50	.143

TRAILING-EDGE FLAP

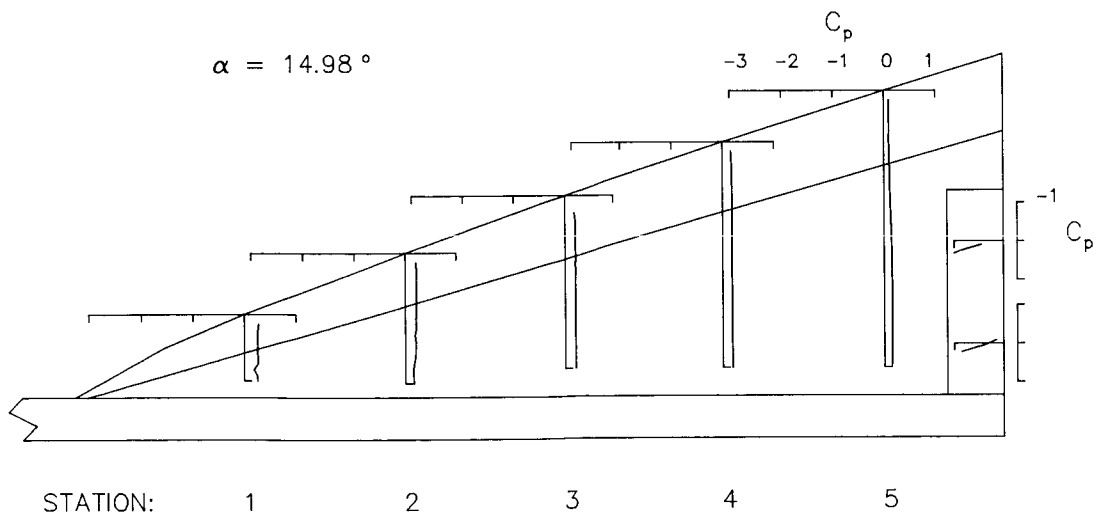
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	.318
46.09	.221	46.09	.246
46.34	.163	46.34	.191
46.59	.108	46.59	.137
46.84	.061	46.84	.088
47.09	*****	47.09	*****
47.34	-.090	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 16.044 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.295	6.32	.227	8.34	.188	10.23	.161	12.04	.098
	3.99	.293	6.09	.244	8.05	.218	9.90	*****	11.68	.108
E	3.85	.284	5.86	.245	7.76	.229	9.57	.185	11.32	.108
	3.71	.287	5.63	.242	7.46	.226	9.23	.189	10.96	.110
V	3.57	.282	5.40	.240	7.17	*****	8.90	.197	10.60	.107
	3.43	.286	5.17	.246	6.88	.225	8.57	*****	10.24	.117
F	3.29	.285	4.94	.244	6.59	.229	8.23	.192	9.88	.110
	3.10	.279	4.70	*****	6.30	.217	7.99	.193	9.58	.125
	2.90	.291	4.50	*****	6.10	.227	7.79	.195	9.38	.123
W	2.70	.291	4.30	.239	5.90	.229	7.59	*****	9.18	.126
	2.50	.216	4.10	.234	5.70	.228	7.39	.195	8.98	.130
	2.30	.273	3.90	.236	5.50	.226	7.19	.197	8.78	.125
I	2.10	.284	3.70	.216	5.30	.228	6.99	.197	8.58	.134
			3.50	.230	5.10	.226	6.78	.192	8.38	.134
N			3.00	.228	4.50	.224	6.38	.193	7.98	.145
			2.50	.184	3.50	.227	5.98	.191	7.38	.154
G			2.00	.191	2.50	.228	5.50	.190	6.50	.165
							4.50	.194	5.50	.170
							3.50	.192	4.50	.171
							2.50	.198	3.50	.166
									2.50	.158

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	.248
46.34	.196
46.59	.148
46.84	.112
47.09	*****
47.34	-.004

OUTBOARD

X IN.	CP
45.84	.328
46.09	.253
46.34	.197
46.59	.139
46.84	.093
47.09	*****
47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 19.047 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.336	6.32	.256	8.34	.198	10.23	.175	12.04	.112
	3.99	.339	6.09	.283	8.05	.249	9.90	*****	11.68	.131
E	3.85	.340	5.86	.291	7.76	.268	9.57	.225	11.32	.141
	3.71	.344	5.63	.293	7.46	.266	9.23	.231	10.96	.147
V	3.57	.345	5.40	.294	7.17	*****	8.90	.236	10.60	.140
	3.43	.350	5.17	.295	6.88	.272	8.57	*****	10.24	.159
F	3.29	.352	4.94	.297	6.59	.278	8.23	.234	9.88	.162
	3.10	.306	4.70	*****	6.30	.262	7.99	.235	9.58	.170
	2.90	.356	4.50	*****	6.10	.272	7.79	.232	9.38	.165
W	2.70	.356	4.30	.294	5.90	.275	7.59	*****	9.18	.163
	2.50	.262	4.10	.293	5.70	.277	7.39	.235	8.98	.162
	2.30	.343	3.90	.290	5.50	.273	7.19	.237	8.78	.158
I	2.10	.352	3.70	.277	5.30	.278	6.99	.237	8.58	.167
			3.50	.292	5.10	.273	6.78	.237	8.38	.166
N			3.00	.287	4.50	.277	6.38	.232	7.98	.174
			2.50	.252	3.50	.277	5.98	.236	7.38	.182
G			2.00	.259	2.50	.282	5.50	.235	6.50	.193
							4.50	.233	5.50	.199
							3.50	.238	4.50	.197
							2.50	.242	3.50	.189
									2.50	.187

TRAILING-EDGE FLAP

INBOARD

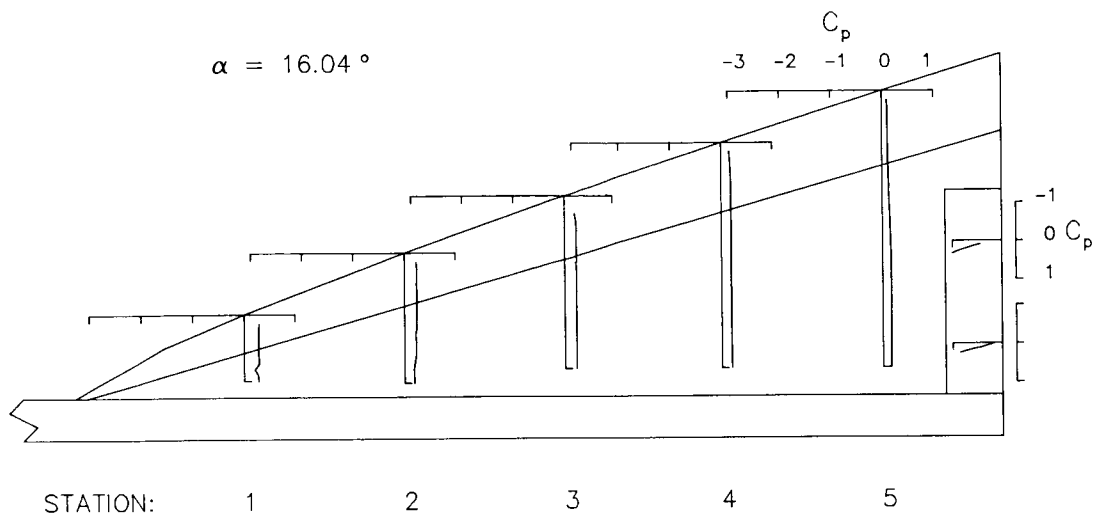
X IN.	CP
45.84	*****
46.09	.263
46.34	.205
46.59	.152
46.84	.106
47.09	*****
47.34	-.025

OUTBOARD

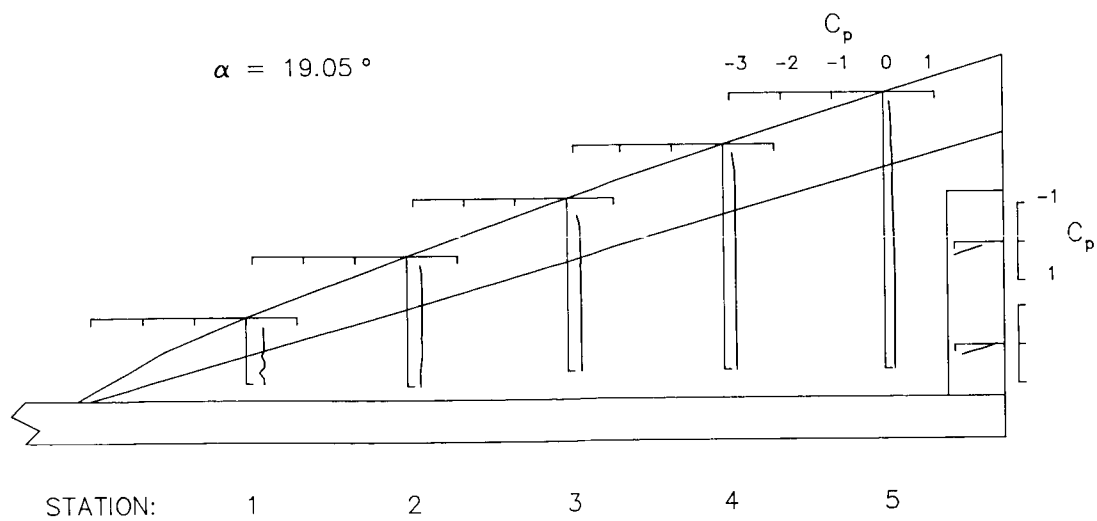
X IN.	CP
45.84	.343
46.09	.266
46.34	.212
46.59	.152
46.84	.095
47.09	*****
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 21.267 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.365	6.32	.263	8.34	.213	10.23	.176	12.04	.109
	3.99	.370	6.09	.307	8.05	.271	9.90	*****	11.68	.149
E	3.85	.375	5.86	.325	7.76	.296	9.57	.250	11.32	.150
	3.71	.383	5.63	.334	7.46	.299	9.23	.252	10.96	.164
V	3.57	.387	5.40	.335	7.17	*****	8.90	.264	10.60	.160
	3.43	.391	5.17	.338	6.88	.309	8.57	*****	10.24	.171
F	3.29	.393	4.94	.345	6.59	.318	8.23	.270	9.88	.178
	3.10	.326	4.70	*****	6.30	.303	7.99	.265	9.58	.191
	2.90	.395	4.50	*****	6.10	.311	7.79	.263	9.38	.180
W	2.70	.398	4.30	.335	5.90	.314	7.59	*****	9.18	.179
	2.50	.283	4.10	.333	5.70	.313	7.39	.269	8.98	.180
I	2.30	.391	3.90	.340	5.50	.311	7.19	.266	8.78	.178
	2.10	.396	3.70	.315	5.30	.312	6.99	.270	8.58	.185
			3.50	.336	5.10	.314	6.78	.267	8.38	.185
N			3.00	.337	4.50	.314	6.38	.271	7.98	.197
			2.50	.297	3.50	.318	5.98	.264	7.38	.203
			2.00	.308	2.50	.324	5.50	.268	6.50	.214
G							4.50	.270	5.50	.219
							3.50	.267	4.50	.217
							2.50	.276	3.50	.213
									2.50	.208

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	.362
46.09	.264	46.09	.278
46.34	.209	46.34	.220
46.59	.149	46.59	.164
46.84	.094	46.84	.107
47.09	*****	47.09	*****
47.34	-.058	47.34	*****

LOWER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 23.353 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.383	6.32	.278	8.34	.215	10.23	.188	12.04	.118
	3.99	.401	6.09	.334	8.05	.294	9.90	*****	11.68	.159
E	3.85	.412	5.86	.357	7.76	.324	9.57	.277	11.32	.173
	3.71	.423	5.63	.369	7.46	.333	9.23	.283	10.96	.185
V	3.57	.428	5.40	.375	7.17	*****	8.90	.296	10.60	.178
	3.43	.433	5.17	.376	6.88	.342	8.57	*****	10.24	.193
F	3.29	.437	4.94	.384	6.59	.358	8.23	.297	9.88	.199
	3.10	.357	4.70	*****	6.30	.333	7.99	.293	9.58	.205
	2.90	.435	4.50	*****	6.10	.343	7.79	.292	9.38	.203
W	2.70	.443	4.30	.375	5.90	.347	7.59	*****	9.18	.198
	2.50	.314	4.10	.370	5.70	.345	7.39	.294	8.98	.200
I	2.30	.438	3.90	.372	5.50	.346	7.19	.296	8.78	.195
	2.10	.445	3.70	.360	5.30	.349	6.99	.299	8.58	.203
			3.50	.378	5.10	.350	6.78	.293	8.38	.205
N			3.00	.378	4.50	.355	6.38	.295	7.98	.211
			2.50	.349	3.50	.356	5.98	.296	7.38	.217
			2.00	.354	2.50	.362	5.50	.299	6.50	.228
G							4.50	.298	5.50	.231
							3.50	.300	4.50	.232
							2.50	.305	3.50	.228
									2.50	.223

TRAILING-EDGE FLAP

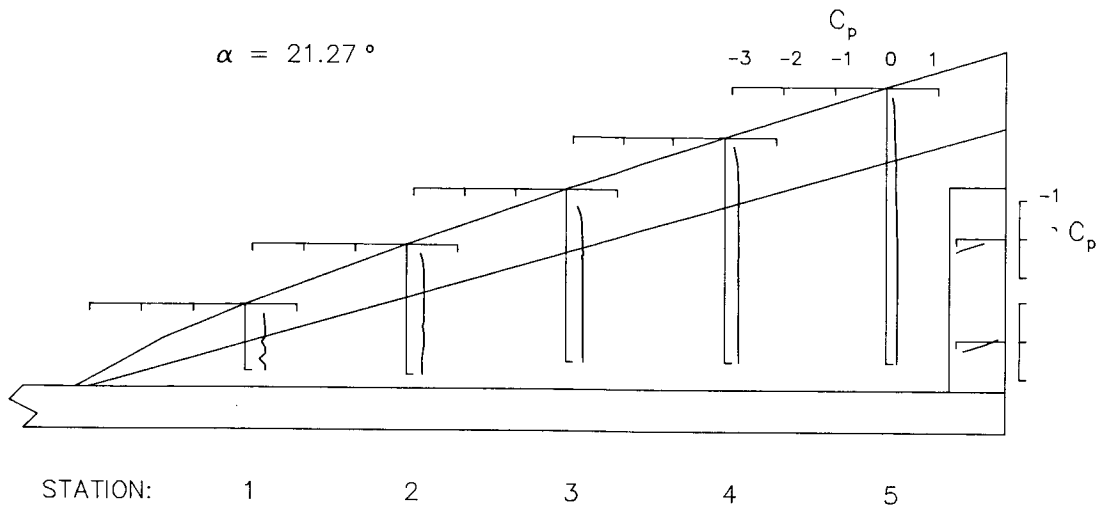
INBOARD

OUTBOARD

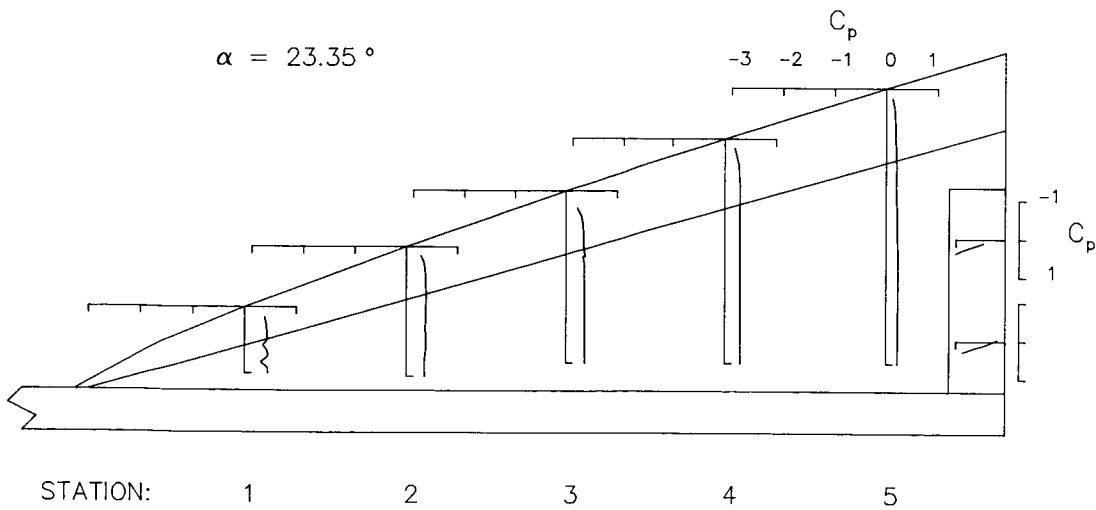
X IN.	CP	X IN.	CP
45.84	*****	45.84	.366
46.09	.276	46.09	.281
46.34	.213	46.34	.216
46.59	.148	46.59	.154
46.84	.099	46.84	.090
47.09	*****	47.09	*****
47.34	-.051	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = 30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= -.137 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.095	6.32	.087	8.34	.070	10.23	.076	12.04	.032
	3.99	.096	6.09	.074	8.05	.072	9.90	.063	11.68	.035
E	3.85	.065	5.86	.058	7.76	.059	9.57	.048	11.32	.019
	3.71	.056	5.63	.043	7.46	.045	9.23	.036	10.96	.015
V	3.57	.039	5.40	.028	7.17	.020	8.90	.013	10.60	-.012
	3.43	.020	5.17	.013	6.88	.005	8.57	.005	10.24	-.027
F	3.29	.005	4.94	*****	6.59	-.024	8.23	-.032	9.88	-.071
	3.10	-.119	4.70	-.101	6.30	-.079	7.99	-.100	9.58	-.129
	3.90	-.043	4.50	-.072	6.10	-.055	7.79	-.070	9.38	-.105
W	3.70	-.025	4.30	-.053	5.90	-.041	7.59	-.056	9.18	-.098
	3.50	-.054	4.10	-.049	5.70	-.039	7.39	-.051	8.98	-.093
	3.30	*****	3.90	-.050	5.50	-.038	7.19	-.047	8.78	-.101
I	3.10	-.026	3.70	-.069	5.30	-.035	6.99	-.051	8.58	-.099
			3.50	-.054	5.10	-.034	6.78	-.048	8.38	-.103
			3.00	-.059	4.50	-.031	6.38	-.056	7.98	-.104
N			2.50	-.057	3.50	-.016	5.98	-.044	7.38	-.098
			2.00	-.078	2.50	-.007	5.50	-.035	6.50	-.094
							4.50	-.028	5.50	-.096
G							3.50	-.025	4.50	-.096
							2.50	-.016	3.50	-.097
									2.50	-.099

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.239
46.09	-.131	46.09	-.156
46.34	-.069	46.34	-.101
46.59	-.019	46.59	-.057
46.84	.029	46.84	-.016
47.09	*****	47.09	*****
47.34	.117	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 1.945 DEG.

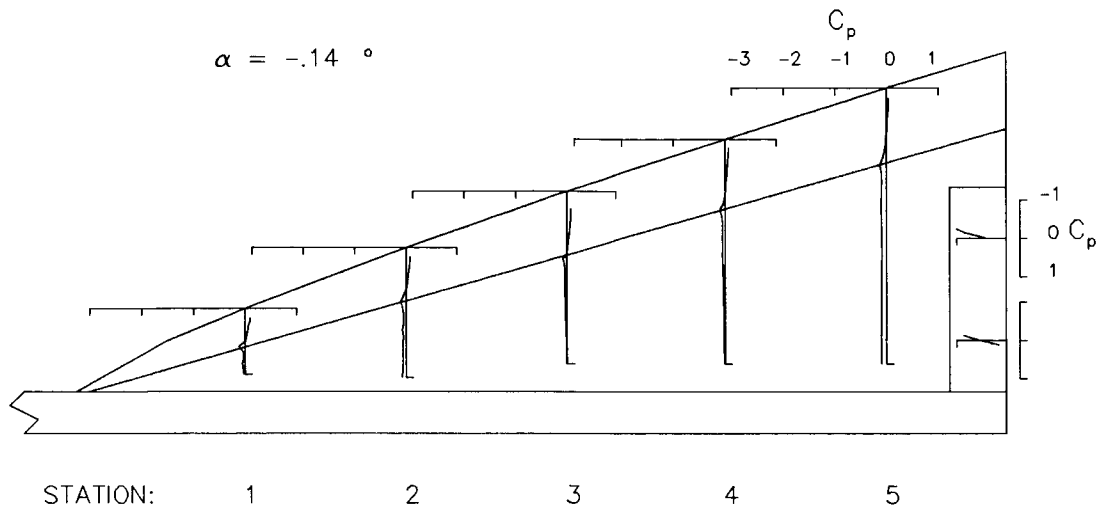
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.061	6.32	.047	8.34	.049	10.23	.049	12.04	.005
	3.99	.062	6.09	.045	8.05	.041	9.90	.037	11.68	.014
E	3.85	.022	5.86	.023	7.76	.024	9.57	.014	11.32	-.009
	3.71	.007	5.63	.006	7.46	.004	9.23	.000	10.96	-.013
V	3.57	-.006	5.40	-.011	7.17	-.019	8.90	-.025	10.60	-.045
	3.43	-.026	5.17	-.038	6.88	-.038	8.57	-.038	10.24	-.065
F	3.29	-.046	4.94	*****	6.59	-.079	8.23	-.084	9.88	-.119
	3.10	-.199	4.70	-.177	6.30	-.144	7.99	-.164	9.58	-.183
	3.90	-.102	4.50	-.100	6.10	-.110	7.79	-.130	9.38	-.149
W	3.70	-.069	4.30	-.098	5.90	-.083	7.59	-.097	9.18	-.137
	3.50	-.090	4.10	-.092	5.70	-.080	7.39	-.094	8.98	-.127
	3.30	*****	3.90	-.086	5.50	-.080	7.19	-.082	8.78	-.129
I	3.10	-.065	3.70	-.108	5.30	-.075	6.99	-.085	8.58	-.127
			3.50	-.090	5.10	-.071	6.78	-.083	8.38	-.132
			3.00	-.093	4.50	-.059	6.38	-.082	7.98	-.128
N			2.50	-.088	3.50	-.041	5.98	-.074	7.38	-.116
			2.00	-.110	2.50	-.032	5.50	-.059	6.50	-.108
							4.50	-.050	5.50	-.108
G							3.50	-.044	4.50	-.110
							2.50	-.034	3.50	-.108
									2.50	-.109

TRAILING-EDGE FLAP

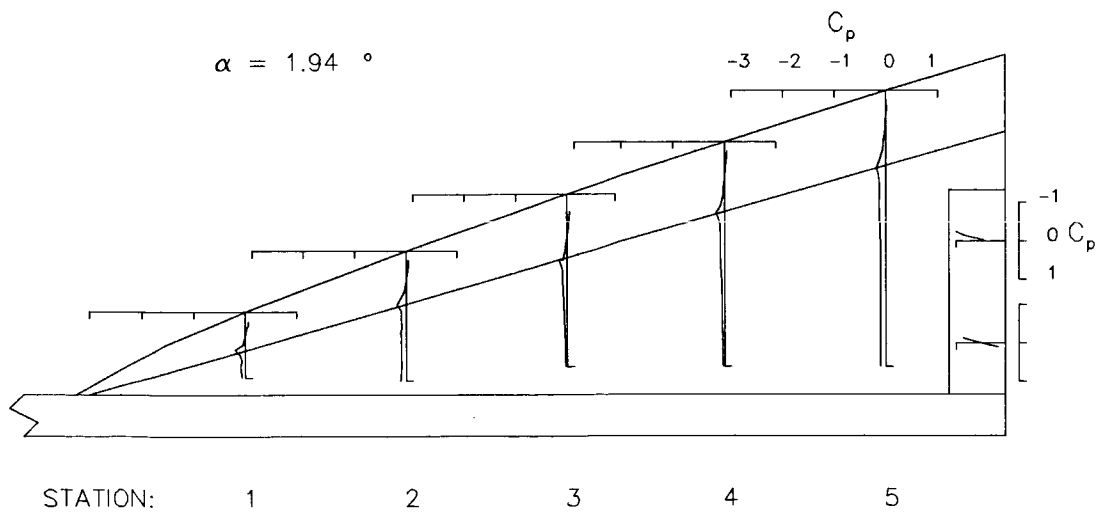
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.238
46.09	-.132	46.09	-.157
46.34	-.075	46.34	-.104
46.59	-.023	46.59	-.060
46.84	-.022	46.84	-.018
47.09	*****	47.09	*****
47.34	.109	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 3.917 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.010	6.32	-.001	8.34	-.003	10.23	-.006	12.04	-.031
	3.99	.009	6.09	-.003	8.05	-.002	9.90	-.002	11.68	-.021
E	3.85	-.024	5.86	-.019	7.76	-.017	9.57	-.025	11.32	-.041
	3.71	-.038	5.63	-.041	7.46	-.039	9.23	-.043	10.96	-.046
V	3.57	-.060	5.40	-.062	7.17	-.069	8.90	-.069	10.60	-.084
	3.43	-.079	5.17	-.087	6.88	-.091	8.57	-.083	10.24	-.111
F	3.29	-.102	4.94	*****	6.59	-.138	8.23	-.141	9.88	-.165
	3.10	-.270	4.70	-.245	6.30	-.216	7.99	-.237	9.58	-.250
	2.90	-.169	4.50	-.132	6.10	-.173	7.79	-.206	9.38	-.197
W	2.70	-.114	4.30	-.142	5.90	-.130	7.59	-.140	9.18	-.169
	2.50	-.126	4.10	-.134	5.70	-.120	7.39	-.133	8.98	-.159
	2.30	*****	3.90	-.127	5.50	-.116	7.19	-.122	8.78	-.162
I	2.10	-.098	3.70	-.146	5.30	-.111	6.99	-.120	8.58	-.158
			3.50	-.126	5.10	-.105	6.78	-.117	8.38	-.158
			3.00	-.126	4.50	-.090	6.38	-.112	7.98	-.150
N			2.50	-.121	3.50	-.064	5.98	-.098	7.38	-.131
			2.00	-.133	2.50	-.053	5.50	-.081	6.50	-.124
G							4.50	-.070	5.50	-.119
							3.50	-.063	4.50	-.117
							2.50	-.046	3.50	-.119
									2.50	-.113

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.136
46.34	-.079
46.59	-.028
46.84	.019
47.09	*****
47.34	.099

OUTBOARD

X IN.	CP
45.84	-.236
46.09	-.159
46.34	-.105
46.59	-.060
46.84	-.017
47.09	*****
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 5.962 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.045	6.32	-.065	8.34	-.078	10.23	-.061	12.04	-.089
	3.99	-.056	6.09	-.071	8.05	-.072	9.90	-.069	11.68	-.075
E	3.85	-.091	5.86	-.084	7.76	-.081	9.57	-.086	11.32	-.093
	3.71	-.099	5.63	-.100	7.46	-.098	9.23	-.097	10.96	-.098
V	3.57	-.117	5.40	-.120	7.17	-.124	8.90	-.124	10.60	-.131
	3.43	-.137	5.17	-.151	6.88	-.153	8.57	-.145	10.24	-.159
F	3.29	-.163	4.94	*****	6.59	-.209	8.23	-.208	9.88	-.230
	3.10	-.300	4.70	-.307	6.30	-.292	7.99	-.322	9.58	-.330
	2.90	-.240	4.50	-.169	6.10	-.275	7.79	-.312	9.38	-.277
W	2.70	-.177	4.30	-.182	5.90	-.168	7.59	-.186	9.18	-.211
	2.50	-.178	4.10	-.183	5.70	-.169	7.39	-.179	8.98	-.202
	2.30	*****	3.90	-.178	5.50	-.159	7.19	-.168	8.78	-.199
I	2.10	-.115	3.70	-.194	5.30	-.148	6.99	-.162	8.58	-.192
			3.50	-.172	5.10	-.144	6.78	-.151	8.38	-.191
			3.00	-.165	4.50	-.119	6.38	-.137	7.98	-.169
N			2.50	-.145	3.50	-.089	5.98	-.125	7.38	-.150
			2.00	-.158	2.50	-.070	5.50	-.106	6.50	-.137
G							4.50	-.088	5.50	-.132
							3.50	-.078	4.50	-.129
							2.50	-.060	3.50	-.125
									2.50	-.122

TRAILING-EDGE FLAP

INBOARD

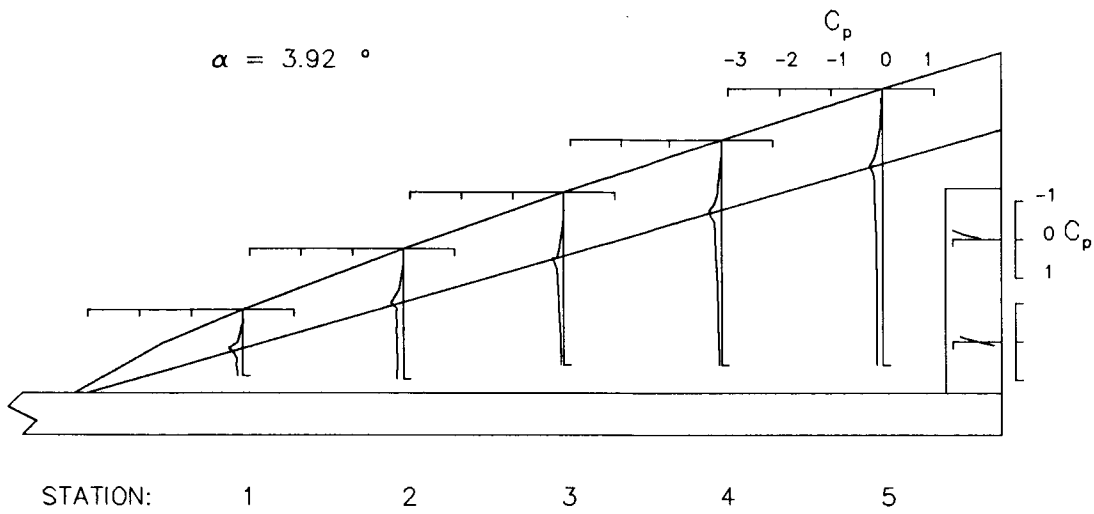
X IN.	CP
45.84	*****
46.09	-.140
46.34	-.082
46.59	-.036
46.84	.011
47.09	*****
47.34	.095

OUTBOARD

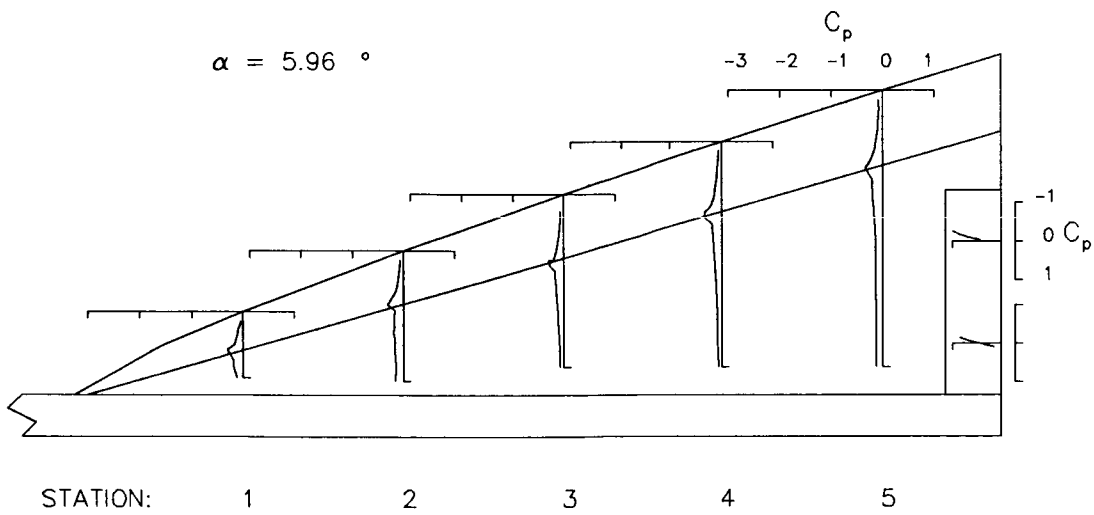
X IN.	CP
45.84	-.261
46.09	-.171
46.34	-.113
46.59	-.069
46.84	-.025
47.09	*****
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 40 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 8.013 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.249	6.32	-.364	8.34	-.332	10.23	-.295	12.04	-.253
	3.99	-.181	6.09	-.309	8.05	-.338	9.90	-.311	11.68	-.255
E	3.85	-.167	5.86	-.109	7.76	-.229	9.57	-.237	11.32	-.241
	3.71	-.144	5.63	-.133	7.46	-.143	9.23	-.153	10.96	-.161
V	3.57	-.163	5.40	-.164	7.17	-.158	8.90	-.150	10.60	-.169
	3.43	-.188	5.17	-.201	6.88	-.192	8.57	-.173	10.24	-.180
F	3.29	-.210	4.94	*****	6.59	-.250	8.23	-.249	9.88	-.259
	3.10	-.353	4.70	-.355	6.30	-.348	7.99	-.364	9.58	-.358
	2.90	-.295	4.50	-.207	6.10	-.343	7.79	-.358	9.38	-.308
W	2.70	-.239	4.30	-.231	5.90	-.211	7.59	-.218	9.18	-.244
	2.50	-.228	4.10	-.242	5.70	-.215	7.39	-.218	8.98	-.230
	2.30	*****	3.90	-.234	5.50	-.199	7.19	-.201	8.78	-.225
I	2.10	-.153	3.70	-.261	5.30	-.186	6.99	-.190	8.58	-.215
			3.50	-.223	5.10	-.182	6.78	-.184	8.38	-.209
			3.00	-.219	4.50	-.162	6.38	-.171	7.98	-.192
N			2.50	-.171	3.50	-.136	5.98	-.152	7.38	-.177
			2.00	-.181	2.50	-.079	5.50	-.142	6.50	-.172
G							4.50	-.128	5.50	-.160
							3.50	-.100	4.50	-.149
							2.50	-.064	3.50	-.124
									2.50	-.123

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.287
46.09	-.154	46.09	-.185
46.34	-.100	46.34	-.122
46.59	-.053	46.59	-.073
46.84	-.011	46.84	-.027
47.09	*****	47.09	*****
47.34	.068	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 40 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 9.983 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.530	6.32	-.519	8.34	-.512	10.23	-.466	12.04	-.378
	3.99	-.541	6.09	-.553	8.05	-.512	9.90	-.480	11.68	-.403
E	3.85	-.510	5.86	-.583	7.76	-.541	9.57	-.507	11.32	-.424
	3.71	-.358	5.63	-.459	7.46	-.513	9.23	-.499	10.96	-.440
V	3.57	-.255	5.40	-.226	7.17	-.364	8.90	-.407	10.60	-.404
	3.43	-.220	5.17	-.183	6.88	-.231	8.57	-.241	10.24	-.281
F	3.29	-.230	4.94	*****	6.59	-.237	8.23	-.231	9.88	-.255
	3.10	-.411	4.70	-.406	6.30	-.358	7.99	-.355	9.58	-.315
	2.90	-.329	4.50	-.221	6.10	-.307	7.79	-.300	9.38	-.285
W	2.70	-.269	4.30	-.266	5.90	-.247	7.59	-.254	9.18	-.258
	2.50	-.244	4.10	-.263	5.70	-.231	7.39	-.233	8.98	-.241
	2.30	*****	3.90	-.251	5.50	-.219	7.19	-.216	8.78	-.234
I	2.10	-.219	3.70	-.275	5.30	-.204	6.99	-.210	8.58	-.221
			3.50	-.245	5.10	-.198	6.78	-.200	8.38	-.219
			3.00	-.246	4.50	-.179	6.38	-.182	7.98	-.202
N			2.50	-.222	3.50	-.165	5.98	-.170	7.38	-.188
			2.00	-.202	2.50	-.098	5.50	-.157	6.50	-.179
G							4.50	-.144	5.50	-.172
							3.50	-.135	4.50	-.180
							2.50	-.071	3.50	-.130
									2.50	-.121

TRAILING-EDGE FLAP

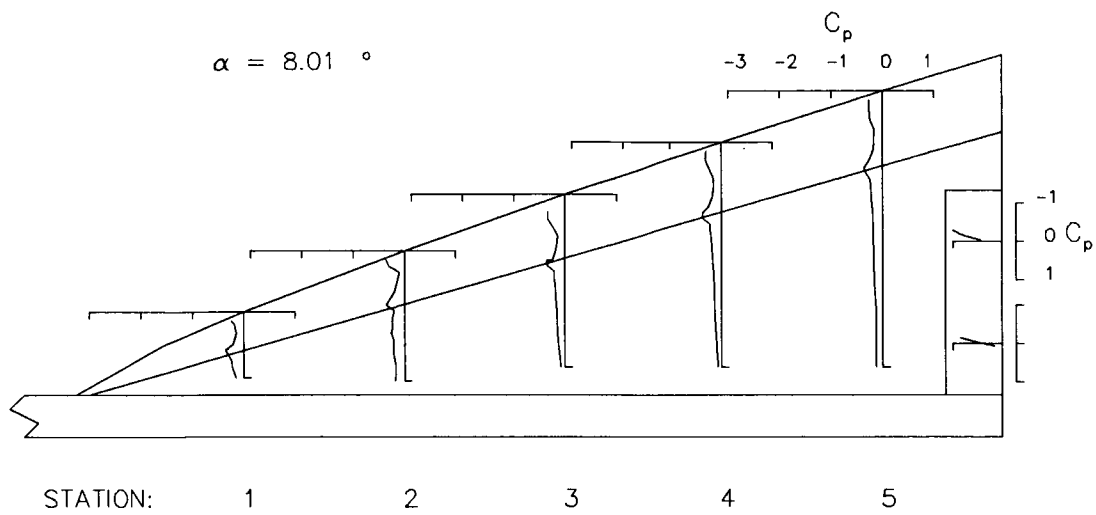
INBOARD

OUTBOARD

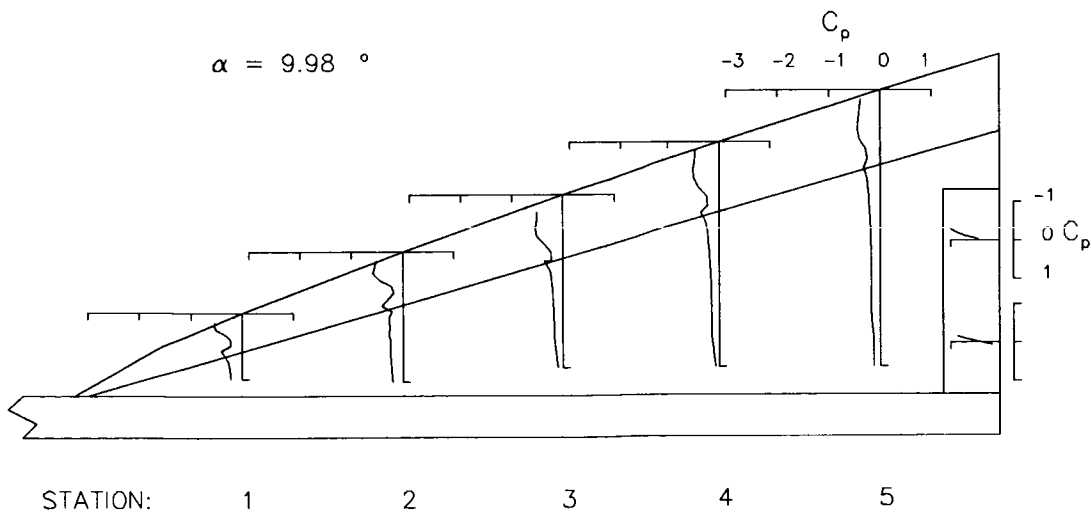
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.286
46.09	-.155	46.09	-.187
46.34	-.103	46.34	-.121
46.59	-.057	46.59	-.073
46.84	-.018	46.84	-.026
47.09	*****	47.09	*****
47.34	.064	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 11.002 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.629	6.32	-.631	8.34	-.610	10.23	-.567	12.04	-.439
	3.99	-.676	6.09	-.665	8.05	-.626	9.90	-.574	11.68	-.490
E	3.85	-.663	5.86	-.717	7.76	-.644	9.57	-.604	11.32	-.506
	3.71	-.587	5.63	-.672	7.46	-.658	9.23	-.628	10.96	-.522
V	3.57	-.464	5.40	-.481	7.17	-.560	8.90	-.594	10.60	-.531
	3.43	-.299	5.17	-.236	6.88	-.367	8.57	-.423	10.24	-.435
F	3.29	-.239	4.94	*****	6.59	-.249	8.23	-.269	9.88	-.334
	3.10	-.449	4.70	-.431	6.30	-.345	7.99	-.324	9.58	-.300
	2.90	-.319	4.50	-.226	6.10	-.297	7.79	-.291	9.38	-.286
W	2.70	-.268	4.30	-.291	5.90	-.261	7.59	-.260	9.18	-.265
	2.50	-.242	4.10	-.270	5.70	-.241	7.39	-.243	8.98	-.247
	2.30	*****	3.90	-.256	5.50	-.227	7.19	-.226	8.78	-.244
I	2.10	-.274	3.70	-.274	5.30	-.211	6.99	-.222	8.58	-.231
			3.50	-.250	5.10	-.204	6.78	-.208	8.38	-.227
			3.00	-.242	4.50	-.180	6.38	-.191	7.98	-.208
N			2.50	-.271	3.50	-.158	5.98	-.171	7.38	-.190
			2.00	-.218	2.50	-.121	5.50	-.157	6.50	-.180
							4.50	-.144	5.50	-.167
G							3.50	-.155	4.50	-.180
							2.50	-.080	3.50	-.146
									2.50	-.124

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.293
46.09	-.155	46.09	-.191
46.34	-.101	46.34	-.126
46.59	-.055	46.59	-.077
46.84	-.014	46.84	-.031
47.09	*****	47.09	*****
47.34	.068	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 11.994 DEG.

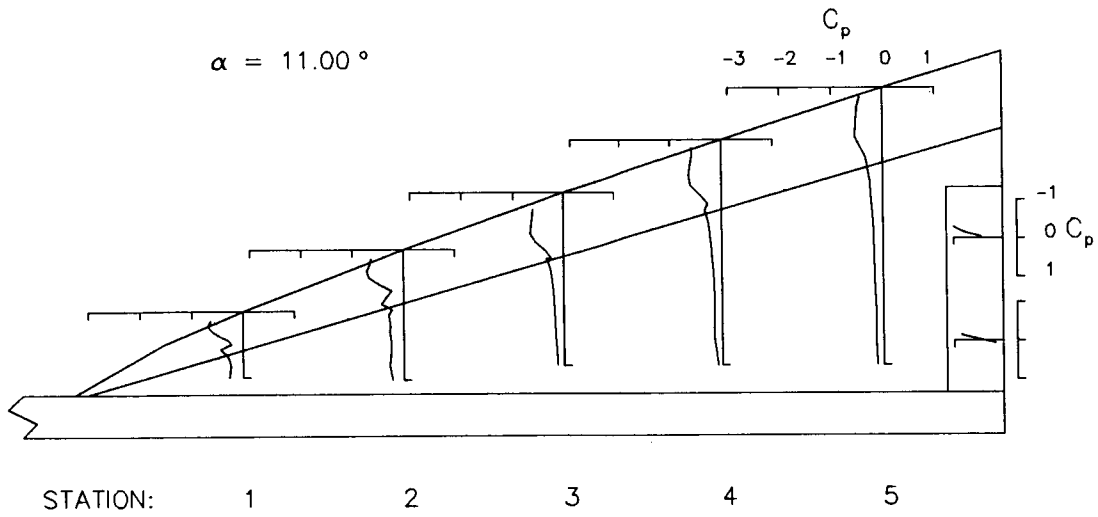
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.733	6.32	-.735	8.34	-.708	10.23	-.652	12.04	-.493
	3.99	-.773	6.09	-.765	8.05	-.717	9.90	-.669	11.68	-.542
E	3.85	-.822	5.86	-.818	7.76	-.762	9.57	-.704	11.32	-.567
	3.71	-.798	5.63	-.856	7.46	-.800	9.23	-.736	10.96	-.595
V	3.57	-.682	5.40	-.743	7.17	-.723	8.90	-.737	10.60	-.614
	3.43	-.464	5.17	-.448	6.88	-.561	8.57	-.582	10.24	-.566
F	3.29	-.274	4.94	*****	6.59	-.309	8.23	-.408	9.88	-.471
	3.10	-.471	4.70	-.422	6.30	-.323	7.99	-.303	9.58	-.324
	2.90	-.314	4.50	-.232	6.10	-.291	7.79	-.284	9.38	-.301
W	2.70	-.274	4.30	-.304	5.90	-.267	7.59	-.260	9.18	-.282
	2.50	-.244	4.10	-.283	5.70	-.250	7.39	-.246	8.98	-.265
	2.30	*****	3.90	-.265	5.50	-.237	7.19	-.233	8.78	-.256
I	2.10	-.316	3.70	-.285	5.30	-.223	6.99	-.230	8.58	-.241
			3.50	-.256	5.10	-.211	6.78	-.215	8.38	-.235
			3.00	-.239	4.50	-.183	6.38	-.198	7.98	-.214
N			2.50	-.257	3.50	-.160	5.98	-.178	7.38	-.193
			2.00	-.239	2.50	-.157	5.50	-.159	6.50	-.176
							4.50	-.138	5.50	-.165
G							3.50	-.149	4.50	-.166
							2.50	-.093	3.50	-.166
									2.50	-.124

TRAILING-EDGE FLAP

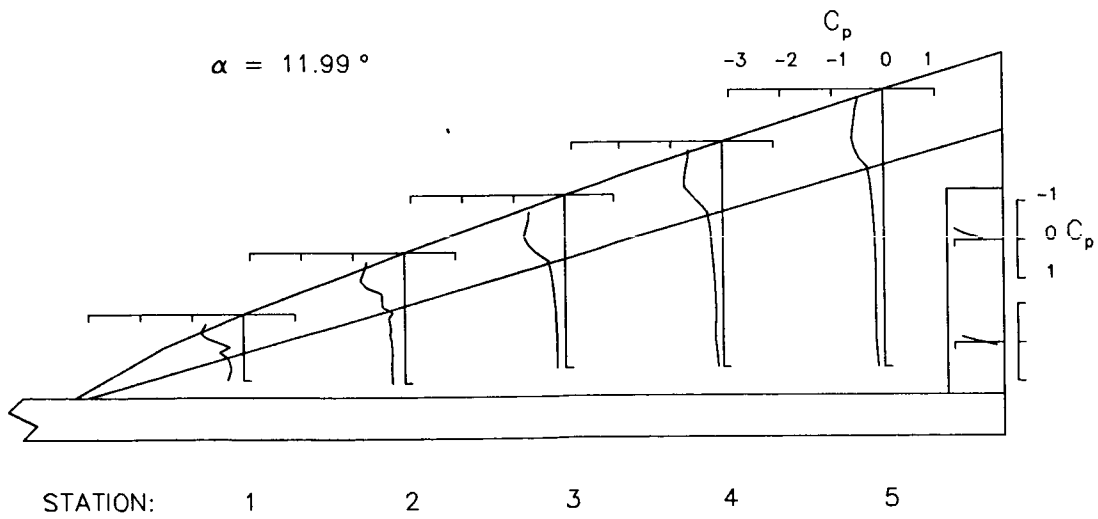
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.293
46.09	-.157	46.09	-.196
46.34	-.100	46.34	-.132
46.59	-.052	46.59	-.086
46.84	-.012	46.84	-.037
47.09	*****	47.09	*****
47.34	.073	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 40.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEVF}} = 40.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 13.013 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.861	6.32	-.837	8.34	-.810	10.23	-.729	12.04	-.532
	3.99	-.905	6.09	-.881	8.05	-.819	9.90	-.740	11.68	-.583
E	3.85	-.975	5.86	-.956	7.76	-.870	9.57	-.789	11.32	-.604
	3.71	-1.017	5.63	-1.010	7.46	-.962	9.23	-.843	10.96	-.636
V	3.57	-.903	5.40	-.935	7.17	-.885	8.90	-.879	10.60	-.672
	3.43	-.680	5.17	-.692	6.88	-.771	8.57	-.762	10.24	-.649
F	3.29	-.380	4.94	*****	6.59	-.474	8.23	-.572	9.88	-.626
	3.10	-.460	4.70	-.382	6.30	-.297	7.99	-.319	9.58	-.450
	2.90	-.312	4.50	-.243	6.10	-.282	7.79	-.291	9.38	-.387
W	2.70	-.279	4.30	-.306	5.90	-.264	7.59	-.262	9.18	-.347
	2.50	-.249	4.10	-.292	5.70	-.246	7.39	-.247	8.98	-.322
	2.30	*****	3.90	-.274	5.50	-.241	7.19	-.236	8.78	-.286
I	2.10	-.314	3.70	-.293	5.30	-.231	6.99	-.226	8.58	-.258
			3.50	-.262	5.10	-.219	6.78	-.218	8.38	-.246
N			3.00	-.246	4.50	-.190	6.38	-.204	7.98	-.214
			2.50	-.242	3.50	-.158	5.98	-.180	7.38	-.192
			2.00	-.266	2.50	-.160	5.50	-.158	6.50	-.172
G							4.50	-.140	5.50	-.158
							3.50	-.132	4.50	-.160
							2.50	-.117	3.50	-.175
									2.50	-.132

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.291
46.09	-.162	46.09	-.198
46.34	-.100	46.34	-.136
46.59	-.050	46.59	-.088
46.84	-.003	46.84	-.038
47.09	*****	47.09	*****
47.34	.081	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 14.001 DEG.

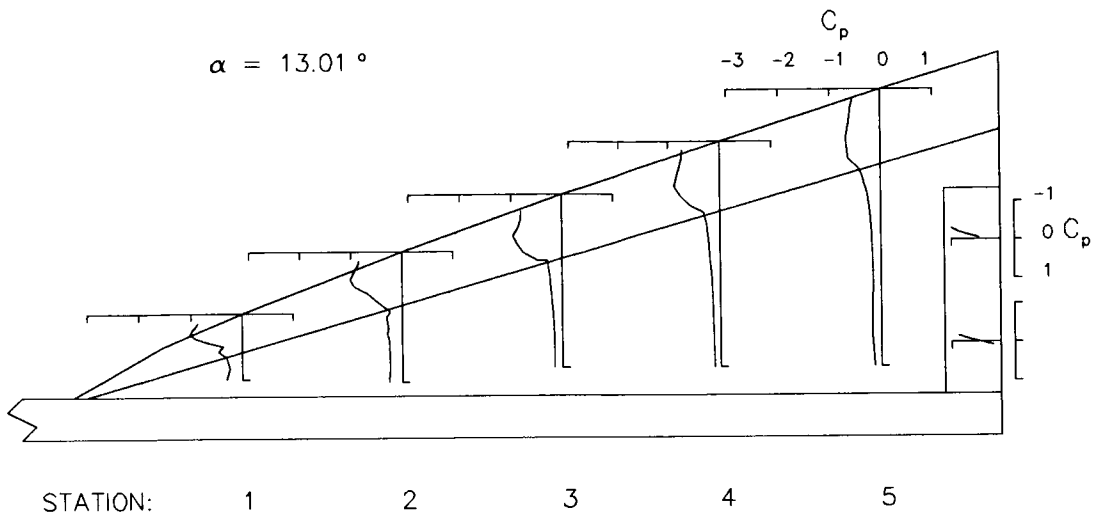
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.973	6.32	-.957	8.34	-.900	10.23	-.798	12.04	-.561
	3.99	-1.031	6.09	-.983	8.05	-.921	9.90	-.815	11.68	-.609
E	3.85	-1.153	5.86	-1.067	7.76	-.998	9.57	-.867	11.32	-.631
	3.71	-1.185	5.63	-1.172	7.46	-1.073	9.23	-.944	10.96	-.652
V	3.57	-1.111	5.40	-1.134	7.17	-1.034	8.90	-.993	10.60	-.709
	3.43	-.906	5.17	-.911	6.88	-.977	8.57	-.905	10.24	-.725
F	3.29	-.528	4.94	*****	6.59	-.643	8.23	-.779	9.88	-.744
	3.10	-.421	4.70	-.330	6.30	-.293	7.99	-.463	9.58	-.630
	2.90	-.313	4.50	-.252	6.10	-.272	7.79	-.354	9.38	-.569
W	2.70	-.282	4.30	-.306	5.90	-.259	7.59	-.291	9.18	-.543
	2.50	-.262	4.10	-.295	5.70	-.248	7.39	-.259	8.98	-.424
	2.30	*****	3.90	-.278	5.50	-.242	7.19	-.236	8.78	-.371
I	2.10	-.290	3.70	-.304	5.30	-.234	6.99	-.227	8.58	-.303
			3.50	-.267	5.10	-.225	6.78	-.213	8.38	-.247
N			3.00	-.248	4.50	-.198	6.38	-.202	7.98	-.198
			2.50	-.247	3.50	-.161	5.98	-.183	7.38	-.179
			2.00	-.280	2.50	-.158	5.50	-.157	6.50	-.166
G							4.50	-.138	5.50	-.161
							3.50	-.137	4.50	-.159
							2.50	-.129	3.50	-.172
									2.50	-.142

TRAILING-EDGE FLAP

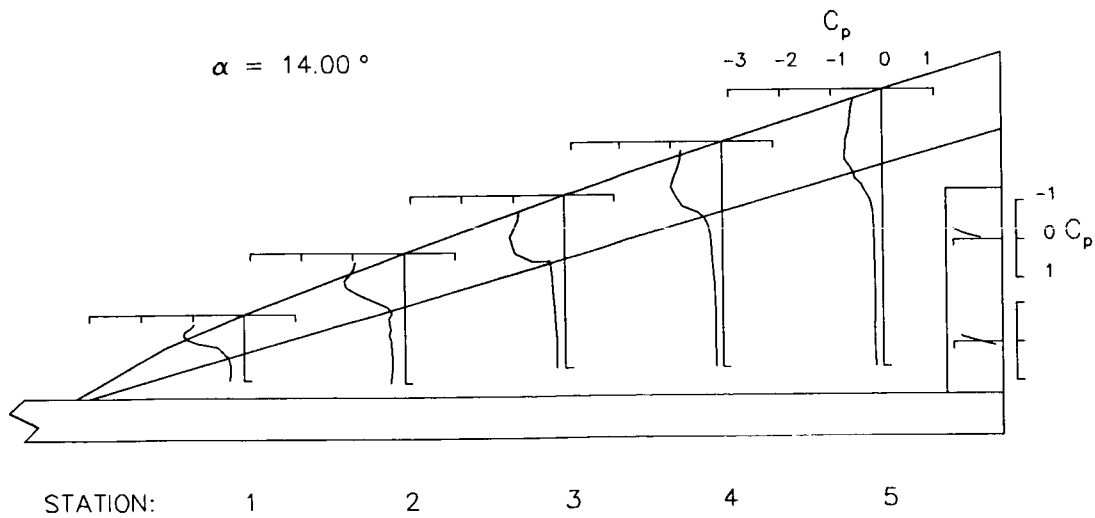
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.286
46.09	-.161	46.09	-.196
46.34	-.101	46.34	-.133
46.59	-.050	46.59	-.087
46.84	-.002	46.84	-.037
47.09	*****	47.09	*****
47.34	.091	47.34	*****

Table V. Continued

$$\delta_{\text{LEVf}} = 40.0^\circ \quad \delta_{\text{TEf}} = 0.0^\circ$$



$$\delta_{\text{LEVf}} = 40.0^\circ \quad \delta_{\text{TEf}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 15.033 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.103	6.32	-1.067	8.34	-.982	10.23	-.854	12.04	-.602
	3.99	-1.159	6.09	-1.085	8.05	-.999	9.90	-.881	11.68	-.628
E	3.85	-1.299	5.86	-1.195	7.76	-1.074	9.57	-.914	11.32	-.638
	3.71	-1.376	5.63	-1.326	7.46	-1.207	9.23	-.990	10.96	-.667
V	3.57	-1.327	5.40	-1.305	7.17	-1.170	8.90	-1.056	10.60	-.733
	3.43	-1.121	5.17	-1.136	6.88	-1.144	8.57	-1.033	10.24	-.751
F	3.29	-.733	4.94	*****	6.59	-.884	8.23	-.980	9.88	-.854
	3.10	-.382	4.70	-.310	6.30	-.375	7.99	-.718	9.58	-.848
	2.90	-.314	4.50	-.264	6.10	-.297	7.79	-.548	9.38	-.783
W	2.70	-.288	4.30	-.297	5.90	-.255	7.59	-.408	9.18	-.727
	2.50	-.273	4.10	-.298	5.70	-.245	7.39	-.331	8.98	-.626
	2.30	*****	3.90	-.285	5.50	-.239	7.19	-.253	8.78	-.535
I	2.10	-.276	3.70	-.309	5.30	-.231	6.99	-.226	8.58	-.398
			3.50	-.273	5.10	-.229	6.78	-.203	8.38	-.290
N			3.00	-.259	4.50	-.205	6.38	-.191	7.98	-.171
			2.50	-.247	3.50	-.169	5.98	-.178	7.38	-.156
G			2.00	-.287	2.50	-.158	5.50	-.158	6.50	-.160
							4.50	-.145	5.50	-.160
							3.50	-.136	4.50	-.159
							2.50	-.134	3.50	-.171
									2.50	-.145

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.281
46.09	-.169	46.09	-.189
46.34	-.111	46.34	-.129
46.59	-.057	46.59	-.083
46.84	-.003	46.84	-.037
47.09	*****	47.09	*****
47.34	.095	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 16.045 DEG.

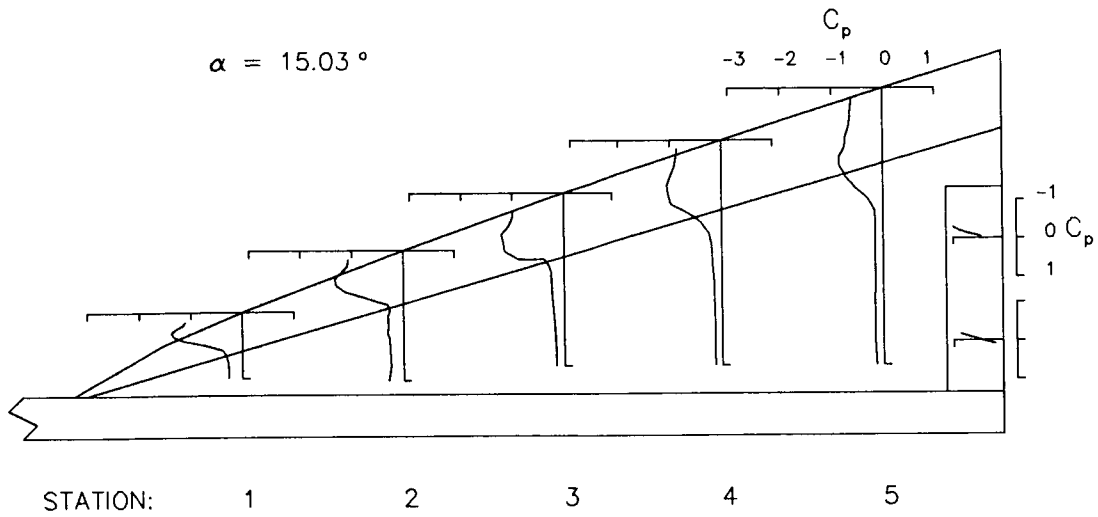
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.227	6.32	-1.158	8.34	-1.058	10.23	-.885	12.04	-.623
	3.99	-1.303	6.09	-1.198	8.05	-1.079	9.90	-.908	11.68	-.641
E	3.85	-1.458	5.86	-1.318	7.76	-1.120	9.57	-.935	11.32	-.657
	3.71	-1.572	5.63	-1.451	7.46	-1.262	9.23	-1.006	10.96	-.676
V	3.57	-1.538	5.40	-1.458	7.17	-1.278	8.90	-1.084	10.60	-.731
	3.43	-1.323	5.17	-1.319	6.88	-1.283	8.57	-1.110	10.24	-.788
F	3.29	-.932	4.94	*****	6.59	-1.136	8.23	-1.159	9.88	-.972
	3.10	-.333	4.70	-.374	6.30	-.605	7.99	-1.100	9.58	-1.024
	2.90	-.307	4.50	-.285	6.10	-.423	7.79	-.844	9.38	-.979
W	2.70	-.297	4.30	-.286	5.90	-.285	7.59	-.657	9.18	-.911
	2.50	-.285	4.10	-.290	5.70	-.242	7.39	-.500	8.98	-.831
	2.30	*****	3.90	-.282	5.50	-.230	7.19	-.352	8.78	-.729
I	2.10	-.275	3.70	-.313	5.30	-.220	6.99	-.229	8.58	-.554
			3.50	-.280	5.10	-.218	6.78	-.182	8.38	-.403
N			3.00	-.264	4.50	-.209	6.38	-.167	7.98	-.177
			2.50	-.256	3.50	-.170	5.98	-.169	7.38	-.142
G			2.00	-.289	2.50	-.158	5.50	-.158	6.50	-.158
							4.50	-.144	5.50	-.157
							3.50	-.140	4.50	-.160
							2.50	-.136	3.50	-.167
									2.50	-.151

TRAILING-EDGE FLAP

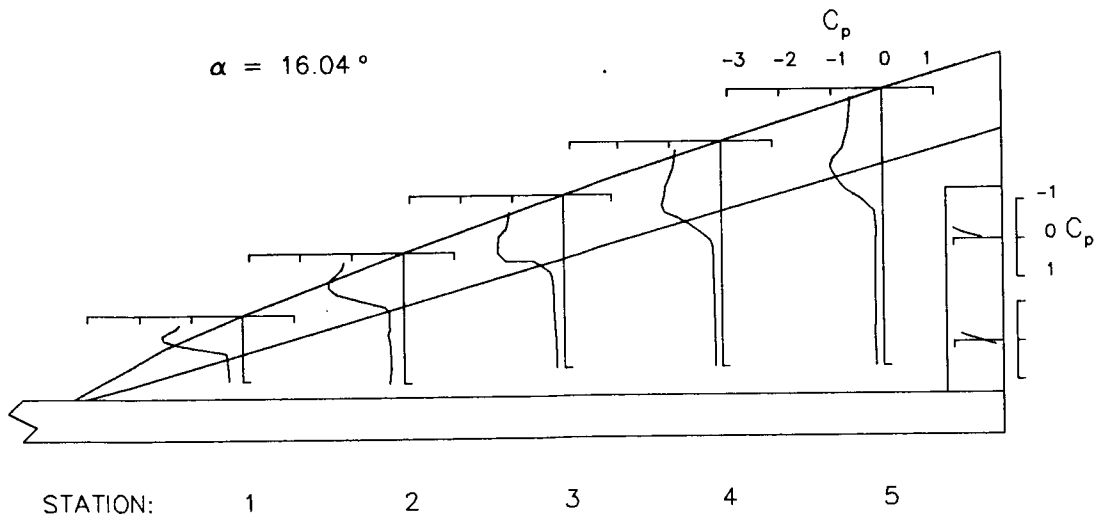
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.276
46.09	-.191	46.09	-.186
46.34	-.124	46.34	-.127
46.59	-.068	46.59	-.077
46.84	-.014	46.84	-.032
47.09	*****	47.09	*****
47.34	.096	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 40 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 18.650 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.517	6.32	-1.350	8.34	-1.155	10.23	-.910	12.04	-.641
	3.99	-1.584	6.09	-1.386	8.05	-1.179	9.90	-.943	11.68	-.658
E	3.85	-1.832	5.86	-1.447	7.76	-1.208	9.57	-.961	11.32	-.670
	3.71	-2.061	5.63	-1.638	7.46	-1.262	9.23	-1.000	10.96	-.696
V	3.57	-2.068	5.40	-1.785	7.17	-1.368	8.90	-1.088	10.60	-.771
	3.43	-1.896	5.17	-1.780	6.88	-1.521	8.57	-1.290	10.24	-.849
F	3.29	-1.483	4.94	*****	6.59	-1.629	8.23	-1.552	9.88	-.826
	3.10	-.389	4.70	-1.049	6.30	-1.524	7.99	-1.602	9.58	-.951
	2.90	-.307	4.50	-.358	6.10	-1.054	7.79	-1.376	9.38	-1.058
W	2.70	-.318	4.30	-.333	5.90	-.780	7.59	-1.245	9.18	-1.107
	2.50	-.330	4.10	-.269	5.70	-.512	7.39	-1.067	8.98	-1.101
	2.30	*****	3.90	-.265	5.50	-.325	7.19	-.880	8.78	-1.066
I	2.10	-.304	3.70	-.313	5.30	-.224	6.99	-.685	8.58	-.975
			3.50	-.289	5.10	-.194	6.78	-.466	8.38	-.872
			3.00	-.289	4.50	-.212	6.38	-.223	7.98	-.562
N			2.50	-.278	3.50	-.191	5.98	-.176	7.38	-.248
			2.00	-.306	2.50	-.178	4.50	-.170	6.50	-.177
G							3.50	-.165	5.50	-.178
							2.50	-.159	4.50	-.181
								2.50	3.50	-.182
									2.50	-.182

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.268
46.34	-.190
46.59	-.135
46.84	-.071
47.09	*****
47.34	.062

OUTBOARD

X IN.	CP
45.84	-.259
46.09	-.179
46.34	-.121
46.59	-.071
46.84	-.027
47.09	*****
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 40 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 20.806 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.743	6.32	-1.460	8.34	-1.182	10.23	-.981	12.04	-.621
	3.99	-1.842	6.09	-1.510	8.05	-1.217	9.90	-.991	11.68	-.635
E	3.85	-2.099	5.86	-1.559	7.76	-1.251	9.57	-1.026	11.32	-.644
	3.71	-2.351	5.63	-1.703	7.46	-1.301	9.23	-1.069	10.96	-.659
V	3.57	-2.404	5.40	-1.946	7.17	-1.389	8.90	-1.226	10.60	-.681
	3.43	-2.275	5.17	-2.063	6.88	-1.699	8.57	-1.278	10.24	-.685
F	3.29	-1.935	4.94	*****	6.59	-2.101	8.23	-1.233	9.88	-.694
	3.10	-.824	4.70	-1.746	6.30	-1.917	7.99	-1.383	9.58	-.706
	2.90	-.400	4.50	-.467	6.10	-1.511	7.79	-1.465	9.38	-.775
W	2.70	-.368	4.30	-.592	5.90	-1.187	7.59	-1.447	9.18	-.929
	2.50	-.373	4.10	-.393	5.70	-.919	7.39	-1.361	8.98	-1.052
	2.30	*****	3.90	-.325	5.50	-.657	7.19	-1.242	8.78	-1.136
I	2.10	-.350	3.70	-.359	5.30	-.421	6.99	-1.087	8.58	-1.163
			3.50	-.314	5.10	-.323	6.78	-.891	8.38	-1.145
			3.00	-.319	4.50	-.245	6.38	-.560	7.98	-.915
N			2.50	-.319	3.50	-.227	5.98	-.363	7.38	-.536
			2.00	-.347	2.50	-.220	5.50	-.256	6.50	-.309
G							4.50	-.219	5.50	-.250
							3.50	-.213	4.50	-.237
							2.50	-.209	3.50	-.232
									2.50	-.224

TRAILING-EDGE FLAP

INBOARD

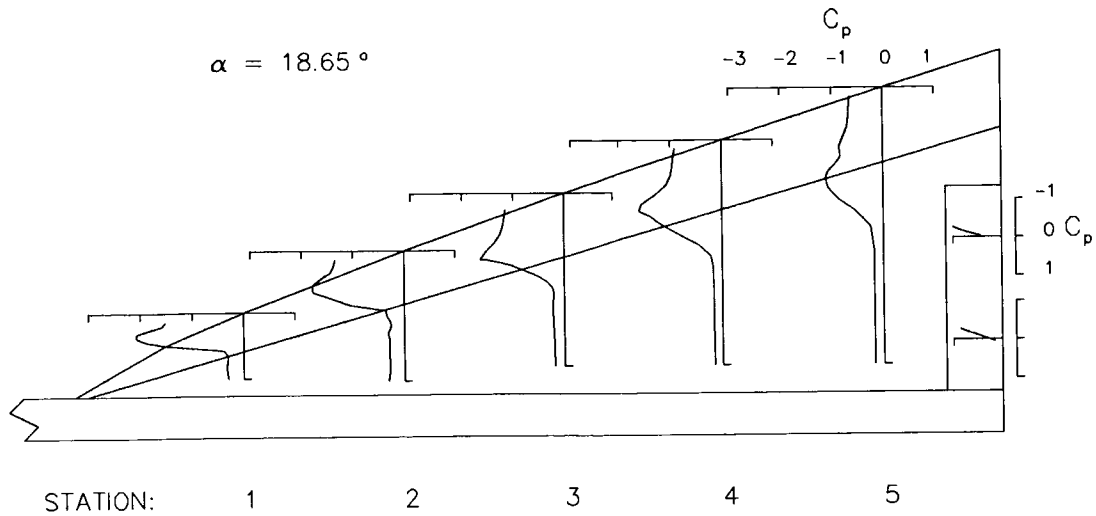
X IN.	CP
45.84	*****
46.09	-.405
46.34	-.328
46.59	-.252
46.84	-.178
47.09	*****
47.34	-.014

OUTBOARD

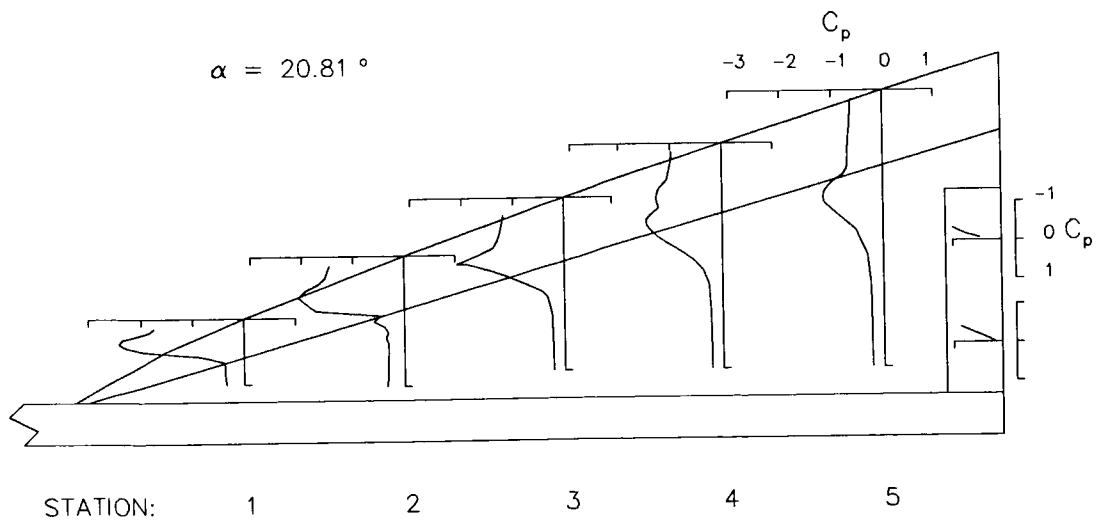
X IN.	CP
45.84	-.321
46.09	-.228
46.34	-.157
46.59	-.108
46.84	-.057
47.09	*****
47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 40.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEVF}} = 40.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEVF DEFLECTION= 40 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 23.117 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.973	6.32	-1.538	8.34	-1.392	10.23	-1.019	12.04	-.618
	3.99	-2.050	6.09	-1.615	8.05	-1.380	9.90	-1.033	11.68	-.609
E	3.85	-2.155	5.86	-1.673	7.76	-1.383	9.57	-1.051	11.32	-.622
	3.71	-2.561	5.63	-1.718	7.46	-1.420	9.23	-1.088	10.96	-.627
V	3.57	-3.148	5.40	-1.944	7.17	-1.454	8.90	-1.168	10.60	-.674
	3.43	-3.194	5.17	-2.228	6.88	-1.487	8.57	-1.178	10.24	-.678
F	3.29	-2.757	4.94	*****	6.59	-1.440	8.23	-1.151	9.88	-.685
	3.10	-1.305	4.70	-2.587	6.30	-1.639	7.99	-1.197	9.58	-.686
	2.90	-.435	4.50	-.662	6.10	-1.651	7.79	-1.350	9.38	-.699
W	2.70	-.296	4.30	-1.100	5.90	-1.499	7.59	-1.464	9.18	-.734
	2.50	-.369	4.10	-.753	5.70	-1.332	7.39	-1.526	8.98	-.847
	2.30	*****	3.90	-.515	5.50	-1.083	7.19	-1.532	8.78	-1.030
I	2.10	-.372	3.70	-.459	5.30	-.882	6.99	-1.505	8.58	-1.152
			3.50	-.354	5.10	-.698	6.78	-1.441	8.38	-1.277
			3.00	-.365	4.50	-.425	6.38	-1.192	7.98	-1.301
N			2.50	-.370	3.50	-.356	5.98	-.834	7.38	-.940
			2.00	-.413	2.50	-.327	5.50	-.573	6.50	-.577
G							4.50	-.396	5.50	-.375
							3.50	-.333	4.50	-.306
							2.50	-.299	3.50	-.283
									2.50	-.277

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.402
46.09	-.559	46.09	-.287
46.34	-.467	46.34	-.202
46.59	-.380	46.59	-.141
46.84	-.280	46.84	-.079
47.09	*****	47.09	*****
47.34	-.116	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$

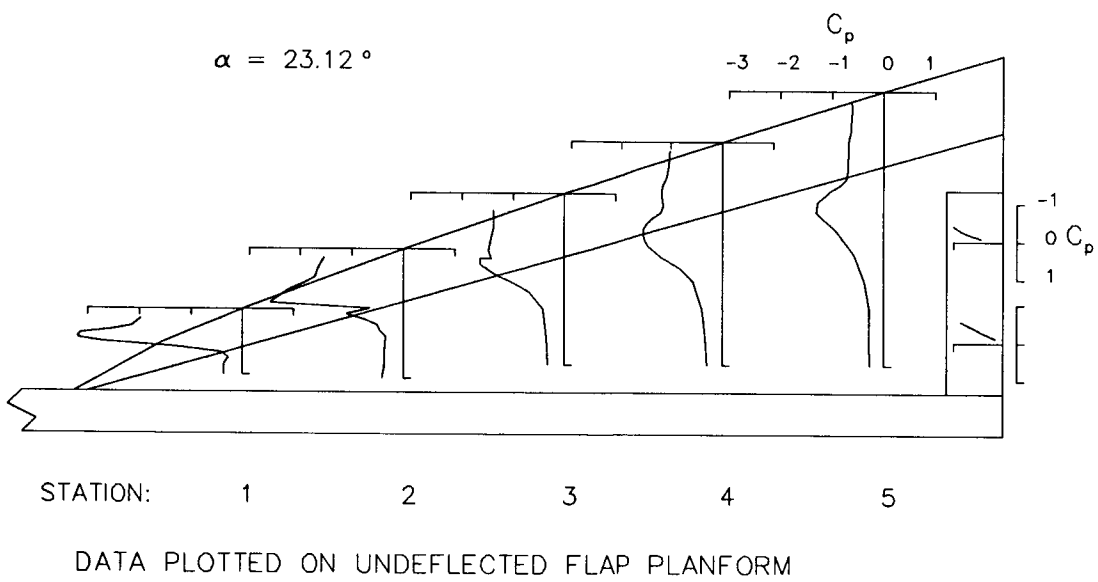


Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= -.059 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.096	6.32	.076	8.34	.072	10.23	.071	12.04	.019
	3.99	.090	6.09	.072	8.05	.064	9.90	.056	11.68	.021
E	3.85	.064	5.86	.058	7.76	.056	9.57	.036	11.32	-.001
	3.71	.050	5.63	.041	7.46	.036	9.23	.021	10.96	-.008
V	3.57	.033	5.40	.023	7.17	.011	8.90	-.001	10.60	-.041
	3.43	.018	5.17	*****	6.88	-.003	8.57	-.011	10.24	-.063
F	3.29	.001	4.94	*****	6.59	-.033	8.23	-.054	9.88	-.116
	3.10	-.126	4.70	*****	6.30	-.092	7.99	-.125	9.58	-.190
	2.90	-.046	4.50	*****	6.10	-.067	7.79	-.095	9.38	-.166
W	2.70	-.030	4.30	*****	5.90	-.051	7.59	-.078	9.18	-.155
	2.50	-.061	4.10	-.059	5.70	-.052	7.39	-.071	8.98	-.151
	2.30	-.088	3.90	-.055	5.50	-.050	7.19	-.066	8.78	-.159
I	2.10	-.028	3.70	*****	5.30	-.046	6.99	-.072	8.58	-.159
			3.50	-.062	5.10	-.045	6.78	-.075	8.38	-.168
			3.30	-.066	4.90	-.044	6.58	-.078	7.98	-.171
N			3.00	-.064	4.50	-.025	5.98	-.069	7.38	-.168
			2.50	-.064	3.50	-.020	5.50	-.057	6.50	-.164
			2.00	-.085			4.50	-.050	5.50	-.170
G							3.50	-.048	4.50	-.171
							2.50	-.038	3.50	-.169
									2.50	-.168

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.232
46.34	-.184
46.59	-.146
46.84	-.105
47.09	*****
47.34	-.032

OUTBOARD

X IN.	CP
45.84	-.357
46.09	-.217
46.34	-.157
46.59	-.123
46.84	-.098
47.09	-.079
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 2.009 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.056	6.32	.042	8.34	.042	10.23	.037	12.04	-.017
	3.99	.056	6.09	.043	8.05	.033	9.90	.026	11.68	-.007
E	3.85	.018	5.86	.023	7.76	.018	9.57	.003	11.32	-.032
	3.71	.008	5.63	.001	7.46	-.002	9.23	-.016	10.96	-.039
V	3.57	-.012	5.40	-.019	7.17	-.031	8.90	-.041	10.60	-.074
	3.43	-.029	5.17	*****	6.88	-.051	8.57	-.053	10.24	-.102
F	3.29	-.050	4.94	*****	6.59	-.088	8.23	-.108	9.88	-.168
	3.10	-.205	4.70	*****	6.30	-.163	7.99	-.199	9.58	-.252
	2.90	-.103	4.50	*****	6.10	-.120	7.79	-.158	9.38	-.209
W	2.70	-.073	4.30	*****	5.90	-.096	7.59	-.121	9.18	-.193
	2.50	-.092	4.10	-.101	5.70	-.090	7.39	-.112	8.98	-.183
	2.30	-.120	3.90	-.094	5.50	-.089	7.19	-.108	8.78	-.189
I	2.10	-.068	3.70	*****	5.30	-.086	6.99	-.110	8.58	-.188
			3.50	-.096	5.10	-.084	6.78	-.108	8.38	-.194
			3.30	-.098	4.90	-.073	6.58	-.107	7.98	-.194
N			2.50	-.094	3.50	-.051	5.98	-.097	7.38	-.183
			2.00	-.117	2.50	-.042	5.50	-.080	6.50	-.179
							4.50	-.069	5.50	-.179
G							3.50	-.065	4.50	-.180
							2.50	-.056	3.50	-.180
									2.50	-.176

TRAILING-EDGE FLAP

INBOARD

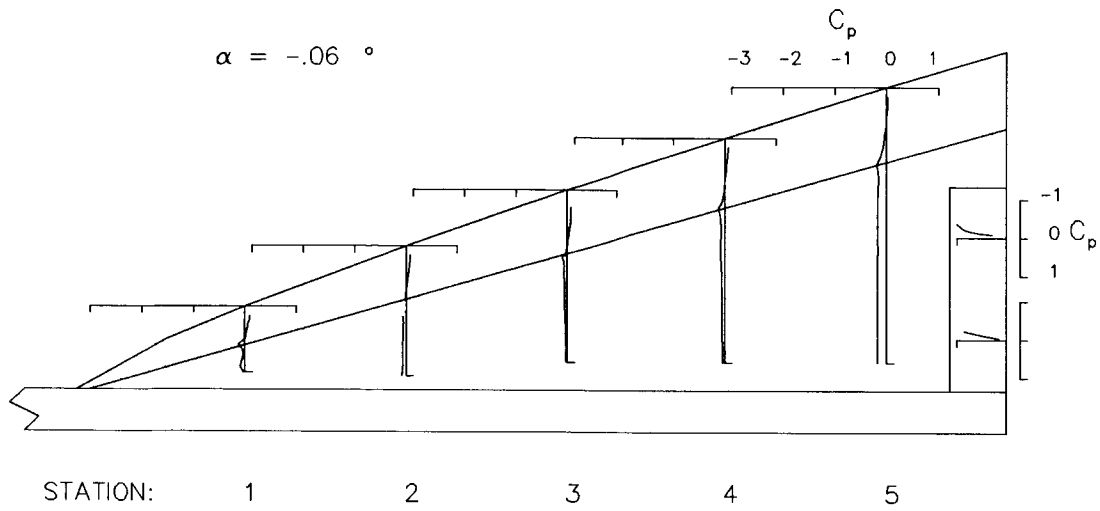
X IN.	CP
45.84	*****
46.09	-.233
46.34	-.203
46.59	-.166
46.84	-.126
47.09	*****
47.34	-.051

OUTBOARD

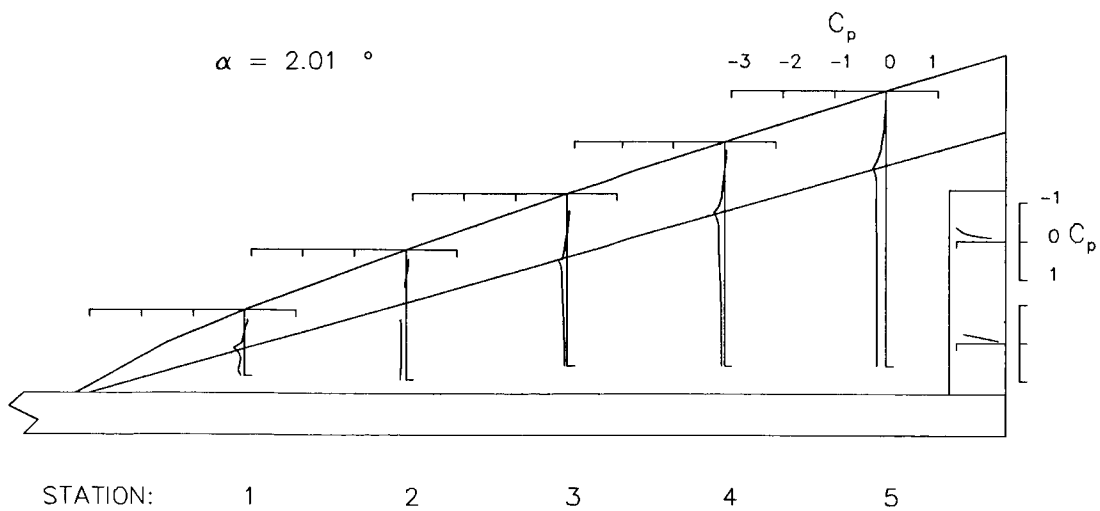
X IN.	CP
45.84	-.353
46.09	-.219
46.34	-.163
46.59	-.128
46.84	-.102
47.09	-.084
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 3.963 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.007	6.32	-.005	8.34	-.005	10.23	-.010	12.04	-.057
	3.99	-.006	6.09	-.003	8.05	-.011	9.90	-.021	11.68	-.046
E	3.85	-.028	5.86	-.026	7.76	-.025	9.57	-.040	11.32	-.072
	3.71	-.044	5.63	-.046	7.46	-.051	9.23	-.059	10.96	-.077
V	3.57	-.062	5.40	-.068	7.17	-.078	8.90	-.086	10.60	-.119
	3.43	-.084	5.17	*****	6.88	-.105	8.57	-.107	10.24	-.152
F	3.29	-.109	4.94	*****	6.59	-.153	8.23	-.167	9.88	-.224
	3.10	-.272	4.70	*****	6.30	-.232	7.99	-.270	9.58	-.319
	2.90	-.174	4.50	*****	6.10	-.190	7.79	-.240	9.38	-.270
W	2.70	-.116	4.30	*****	5.90	-.140	7.59	-.164	9.18	-.230
	2.50	-.125	4.10	-.140	5.70	-.131	7.39	-.156	8.98	-.222
	2.30	-.154	3.90	-.133	5.50	-.129	7.19	-.149	8.78	-.224
I	2.10	-.101	3.70	*****	5.30	-.122	6.99	-.145	8.58	-.223
			3.50	-.131	5.10	-.120	6.78	-.139	8.38	-.226
			3.00	-.131	4.50	-.101	6.38	-.135	7.98	-.216
N			2.50	-.126	3.50	-.077	5.98	-.125	7.58	-.204
			2.00	-.141	2.50	-.063	5.50	-.103	6.50	-.198
G							4.50	-.091	5.50	-.192
							3.50	-.085	4.50	-.192
							2.50	-.070	3.50	-.191
									2.50	-.186

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.353
46.09	-.204	46.09	-.216
46.34	-.169	46.34	-.166
46.59	-.140	46.59	-.138
46.84	-.120	46.84	-.110
47.09	*****	47.09	-.086
47.34	-.057	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 5.995 DEG.

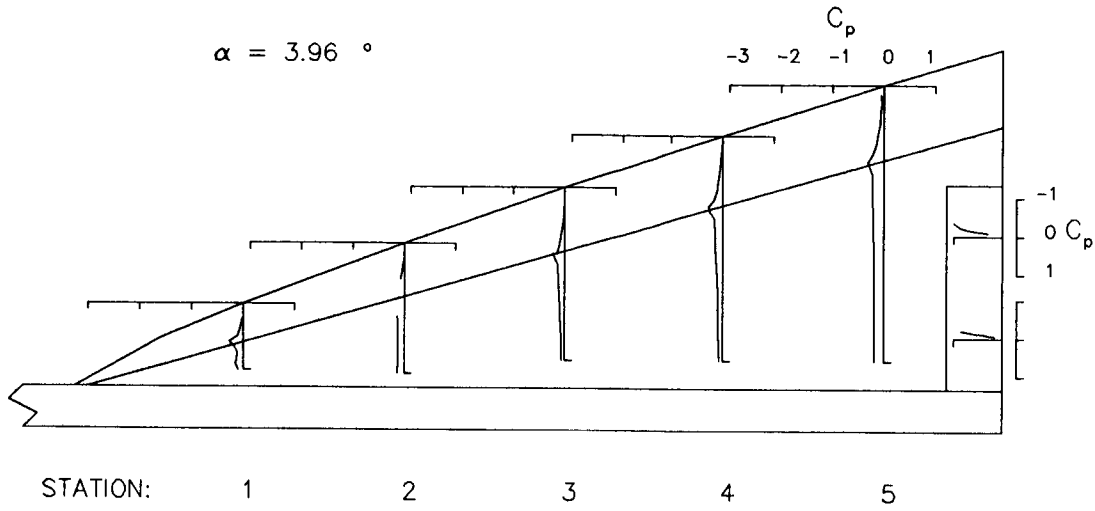
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.047	6.32	-.074	8.34	-.088	10.23	-.085	12.04	-.143
	3.99	-.061	6.09	-.077	8.05	-.085	9.90	-.090	11.68	-.114
E	3.85	-.094	5.86	-.089	7.76	-.093	9.57	-.105	11.32	-.128
	3.71	-.105	5.63	-.107	7.46	-.112	9.23	-.119	10.96	-.131
V	3.57	-.122	5.40	-.127	7.17	-.137	8.90	-.146	10.60	-.175
	3.43	-.140	5.17	*****	6.88	-.166	8.57	-.167	10.24	-.208
F	3.29	-.167	4.94	*****	6.59	-.223	8.23	-.237	9.88	-.296
	3.10	-.304	4.70	*****	6.30	-.313	7.99	-.354	9.58	-.395
	2.90	-.248	4.50	*****	6.10	-.301	7.79	-.350	9.38	-.371
W	2.70	-.181	4.30	*****	5.90	-.184	7.59	-.213	9.18	-.278
	2.50	-.171	4.10	-.194	5.70	-.183	7.39	-.209	8.98	-.278
	2.30	-.220	3.90	-.190	5.50	-.172	7.19	-.197	8.78	-.273
I	2.10	-.120	3.70	*****	5.30	-.164	6.99	-.189	8.58	-.265
			3.50	-.175	5.10	-.156	6.78	-.179	8.38	-.265
			3.00	-.176	4.50	-.133	6.38	-.165	7.98	-.247
N			2.50	-.150	4.00	-.103	5.98	-.150	7.38	-.234
			2.00	-.164	3.50	-.080	5.50	-.129	6.50	-.223
G							4.50	-.116	5.50	-.218
							3.50	-.104	4.50	-.212
							2.50	-.083	3.50	-.210
									2.50	-.200

TRAILING-EDGE FLAP

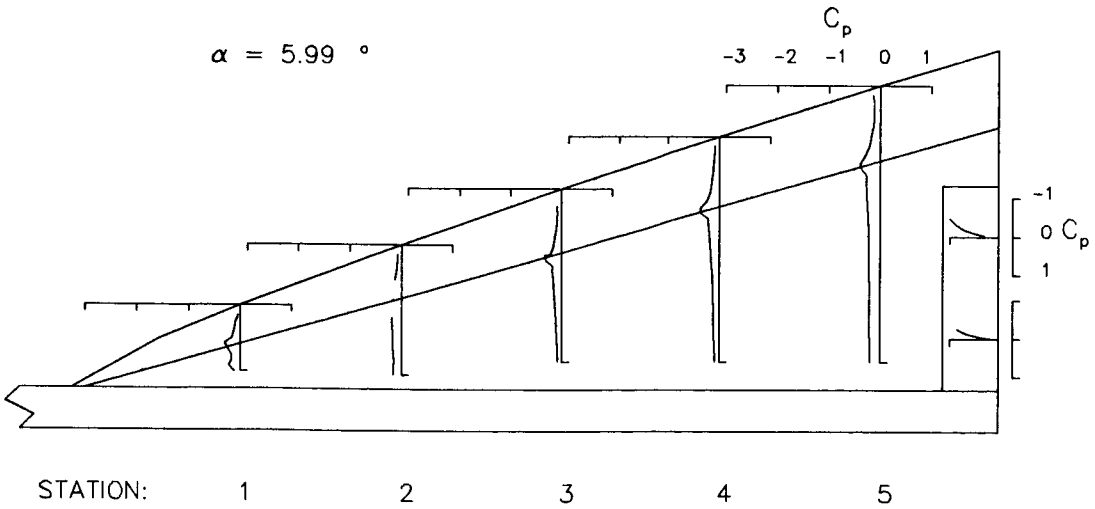
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.479
46.09	-.257	46.09	-.292
46.34	-.163	46.34	-.190
46.59	-.103	46.59	-.122
46.84	-.062	46.84	-.071
47.09	*****	47.09	-.033
47.34	.001	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 8.070 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.278	6.32	-.384	8.34	-.367	10.23	-.361	12.04	-.347
	3.99	-.221	6.09	-.383	8.05	-.385	9.90	-.391	11.68	-.381
E	3.85	-.156	5.86	-.154	7.76	-.319	9.57	-.366	11.32	-.383
	3.71	-.148	5.63	-.131	7.46	-.169	9.23	-.205	10.96	-.259
V	3.57	-.179	5.40	-.169	7.17	-.167	8.90	-.167	10.60	-.202
	3.43	-.200	5.17	*****	6.88	-.201	8.57	-.181	10.24	-.219
F	3.29	-.214	4.94	*****	6.59	-.264	8.23	-.274	9.88	-.321
	3.10	-.354	4.70	*****	6.30	-.370	7.99	-.400	9.58	-.430
	2.90	-.301	4.50	*****	6.10	-.362	7.79	-.387	9.38	-.382
W	2.70	-.254	4.30	*****	5.90	-.228	7.59	-.251	9.18	-.315
	2.50	-.224	4.10	-.257	5.70	-.233	7.39	-.245	8.98	-.305
	2.30	-.303	3.90	-.249	5.50	-.214	7.19	-.228	8.78	-.298
I	2.10	-.161	3.70	*****	5.30	-.201	6.99	-.216	8.58	-.289
			3.50	-.230	5.10	-.198	6.78	-.214	8.38	-.290
			3.00	-.233	4.50	-.179	6.38	-.200	7.98	-.276
N			2.50	-.175	3.50	-.156	5.98	-.182	7.38	-.265
			2.00	-.187	2.50	-.091	5.50	-.169	6.50	-.264
							4.50	-.160	5.50	-.256
G							3.50	-.129	4.50	-.244
							2.50	-.092	3.50	-.211
									2.50	-.206

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.533
46.09	-.279	46.09	-.326
46.34	-.194	46.34	-.210
46.59	-.143	46.59	-.139
46.84	-.106	46.84	-.090
47.09	*****	47.09	-.043
47.34	-.044	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 9.966 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.528	6.32	-.553	8.34	-.547	10.23	-.533	12.04	-.474
	3.99	-.567	6.09	-.585	8.05	-.564	9.90	-.548	11.68	-.523
E	3.85	-.521	5.86	-.604	7.76	-.586	9.57	-.584	11.32	-.555
	3.71	-.405	5.63	-.495	7.46	-.572	9.23	-.592	10.96	-.562
V	3.57	-.257	5.40	-.261	7.17	-.385	8.90	-.494	10.60	-.507
	3.43	-.220	5.17	*****	6.88	-.237	8.57	-.266	10.24	-.346
F	3.29	-.235	4.94	*****	6.59	-.247	8.23	-.248	9.88	-.298
	3.10	-.413	4.70	*****	6.30	-.378	7.99	-.386	9.58	-.389
	2.90	-.335	4.50	*****	6.10	-.319	7.79	-.329	9.38	-.357
W	2.70	-.268	4.30	*****	5.90	-.261	7.59	-.283	9.18	-.333
	2.50	-.229	4.10	-.269	5.70	-.244	7.39	-.263	8.98	-.318
	2.30	-.373	3.90	-.259	5.50	-.232	7.19	-.244	8.78	-.312
I	2.10	-.226	3.70	*****	5.30	-.220	6.99	-.237	8.58	-.298
			3.50	-.252	5.10	-.212	6.78	-.227	8.38	-.298
			3.00	-.249	4.50	-.192	6.38	-.212	7.98	-.284
N			2.50	-.230	3.50	-.176	5.98	-.198	7.38	-.274
			2.00	-.210	2.50	-.111	5.50	-.184	6.50	-.266
							4.50	-.169	5.50	-.260
G							3.50	-.169	4.50	-.270
							2.50	-.100	3.50	-.225
									2.50	-.209

TRAILING-EDGE FLAP

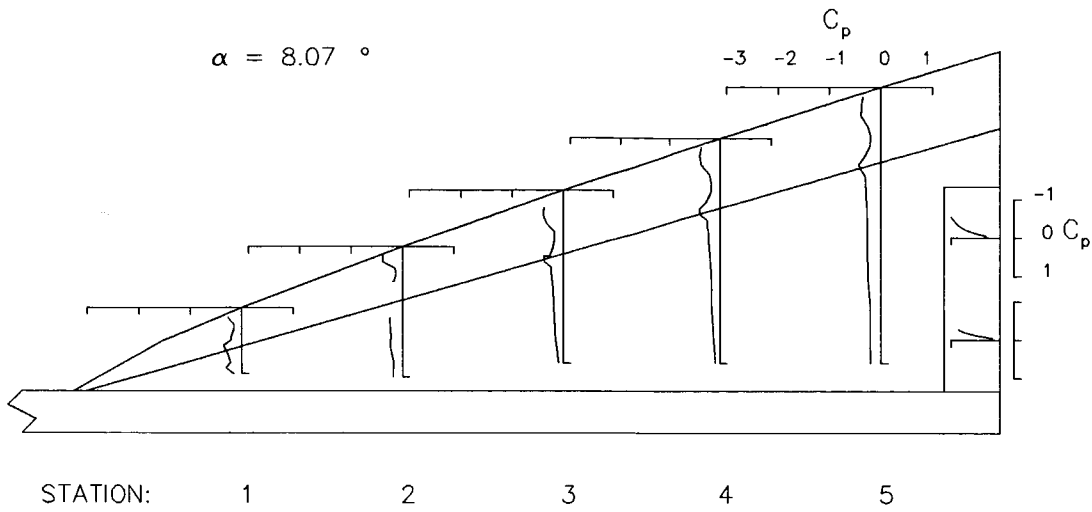
INBOARD

OUTBOARD

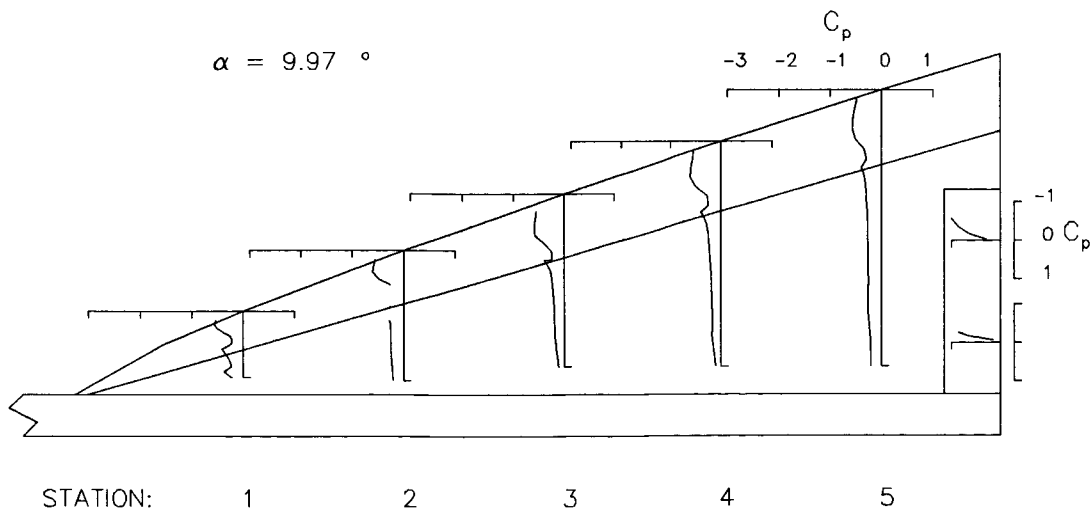
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.572
46.09	-.261	46.09	-.356
46.34	-.193	46.34	-.228
46.59	-.151	46.59	-.141
46.84	-.119	46.84	-.079
47.09	*****	47.09	-.028
47.34	-.062	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 10.997 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.649	6.32	-.667	8.34	-.656	10.23	-.637	12.04	-.550
E	3.99	-.687	6.09	-.680	8.05	-.669	9.90	-.646	11.68	-.606
	3.85	-.681	5.86	-.742	7.76	-.705	9.57	-.687	11.32	-.630
V	3.71	-.618	5.63	-.725	7.46	-.720	9.23	-.724	10.96	-.659
	3.57	-.453	5.40	-.503	7.17	-.593	8.90	-.670	10.60	-.660
F	3.43	-.314	5.17	*****	6.88	-.391	8.57	-.466	10.24	-.527
	3.29	-.248	4.94	*****	6.59	-.251	8.23	-.306	9.88	-.397
	3.10	-.453	4.70	*****	6.30	-.368	7.99	-.347	9.58	-.364
W	2.90	-.324	4.50	*****	6.10	-.310	7.79	-.313	9.38	-.350
	2.70	-.274	4.30	*****	5.90	-.276	7.59	-.288	9.18	-.335
	2.50	-.229	4.10	-.279	5.70	-.257	7.39	-.271	8.98	-.322
I	2.30	-.345	3.90	-.264	5.50	-.242	7.19	-.253	8.78	-.318
	2.10	-.283	3.70	*****	5.30	-.228	6.99	-.246	8.58	-.308
			3.50	-.257	5.10	-.217	6.78	-.239	8.38	-.306
N			3.00	-.249	4.50	-.193	6.38	-.221	7.98	-.293
			2.50	-.271	3.50	-.173	5.98	-.201	7.38	-.276
G			2.00	-.224	2.50	-.137	5.50	-.183	6.50	-.267
							4.50	-.170	5.50	-.260
							3.50	-.180	4.50	-.268
							2.50	-.109	3.50	-.243
									2.50	-.210

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.594
46.09	-.267	46.09	-.374
46.34	-.197	46.34	-.249
46.59	-.148	46.59	-.155
46.84	-.110	46.84	-.082
47.09	*****	47.09	-.021
47.34	-.050	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 12.044 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.765	6.32	-.765	8.34	-.761	10.23	-.733	12.04	-.605
E	3.99	-.799	6.09	-.803	8.05	-.773	9.90	-.754	11.68	-.673
	3.85	-.848	5.86	-.880	7.76	-.821	9.57	-.789	11.32	-.705
V	3.71	-.825	5.63	-.895	7.46	-.874	9.23	-.837	10.96	-.742
	3.57	-.701	5.40	-.778	7.17	-.778	8.90	-.837	10.60	-.767
F	3.43	-.519	5.17	*****	6.88	-.650	8.57	-.688	10.24	-.687
	3.29	-.282	4.94	*****	6.59	-.336	8.23	-.438	9.88	-.545
	3.10	-.481	4.70	*****	6.30	-.336	7.99	-.314	9.58	-.391
W	2.90	-.317	4.50	*****	6.10	-.302	7.79	-.303	9.38	-.368
	2.70	-.279	4.30	*****	5.90	-.277	7.59	-.283	9.18	-.349
	2.50	-.225	4.10	-.290	5.70	-.262	7.39	-.273	8.98	-.331
I	2.30	-.311	3.90	-.274	5.50	-.253	7.19	-.254	8.78	-.321
	2.10	-.319	3.70	*****	5.30	-.237	6.99	-.256	8.58	-.316
			3.50	-.263	5.10	-.225	6.78	-.241	8.38	-.308
N			3.00	-.251	4.50	-.199	6.38	-.229	7.98	-.298
			2.50	-.253	3.50	-.174	5.98	-.205	7.38	-.277
G			2.00	-.249	2.50	-.173	5.50	-.184	6.50	-.262
							4.50	-.169	5.50	-.255
							3.50	-.170	4.50	-.257
							2.50	-.125	3.50	-.259
									2.50	-.210

TRAILING-EDGE FLAP

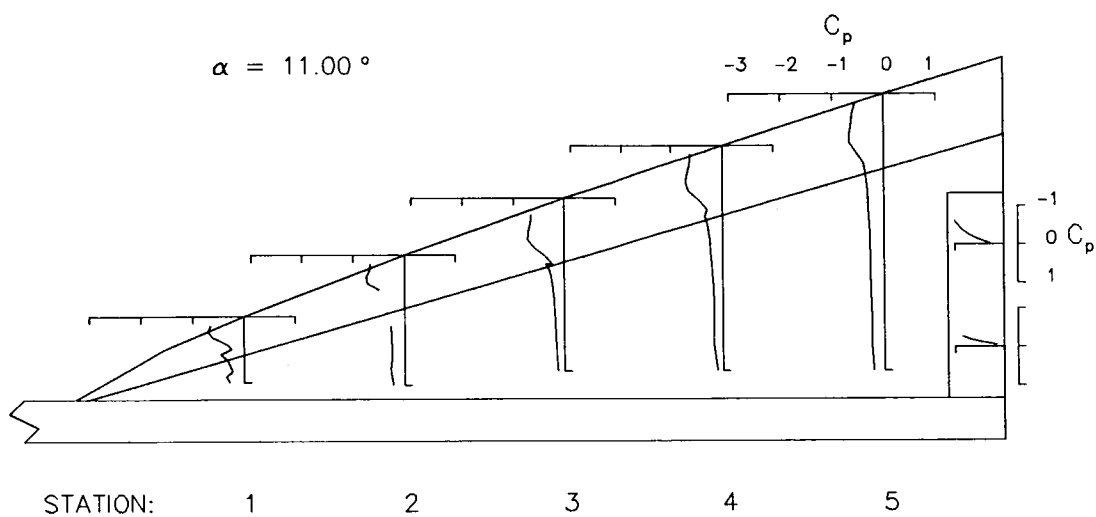
INBOARD

OUTBOARD

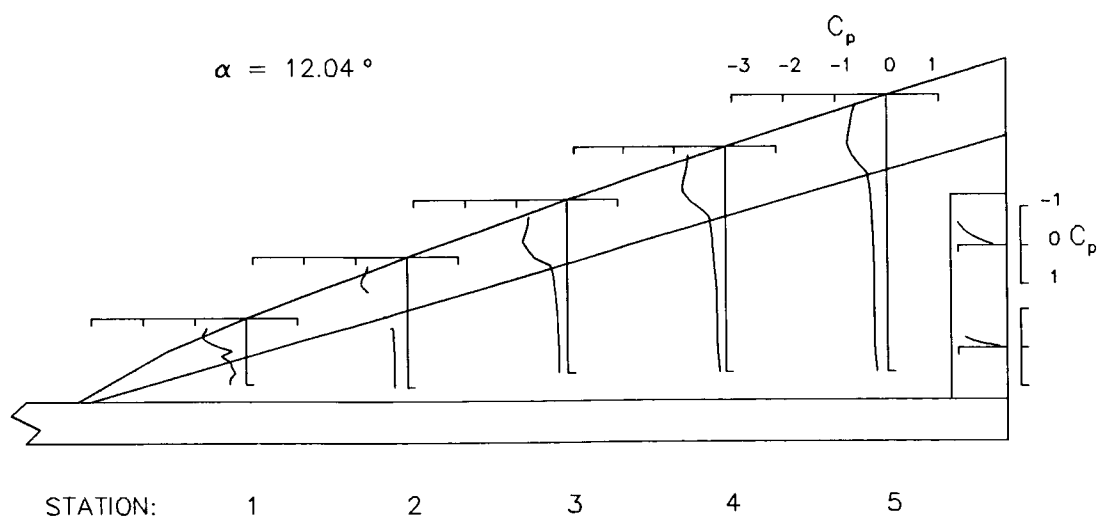
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.583
46.09	-.270	46.09	-.379
46.34	-.192	46.34	-.254
46.59	-.138	46.59	-.166
46.84	-.097	46.84	-.092
47.09	*****	47.09	-.028
47.34	-.037	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 13.011 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.874	6.32	-.865	8.34	-.852	10.23	-.809	12.04	-.645
	3.99	-.923	6.09	-.914	8.05	-.874	9.90	-.832	11.68	-.713
E	3.85	-.986	5.86	-1.009	7.76	-.929	9.57	-.880	11.32	-.746
	3.71	-1.011	5.63	-1.041	7.46	-1.002	9.23	-.936	10.96	-.789
V	3.57	-.928	5.40	-.975	7.17	-.946	8.90	-.979	10.60	-.844
	3.43	-.700	5.17	*****	6.88	-.823	8.57	-.857	10.24	-.798
F	3.29	-.379	4.94	*****	6.59	-.475	8.23	-.598	9.88	-.742
	3.10	-.465	4.70	*****	6.30	-.306	7.99	-.335	9.58	-.490
	2.90	-.317	4.50	*****	6.10	-.293	7.79	-.305	9.38	-.441
W	2.70	-.283	4.30	*****	5.90	-.272	7.59	-.291	9.18	-.393
	2.50	-.235	4.10	-.298	5.70	-.265	7.39	-.270	8.98	-.354
	2.30	-.320	3.90	-.281	5.50	-.256	7.19	-.255	8.78	-.348
I	2.10	-.315	3.70	*****	5.30	-.244	6.99	-.251	8.58	-.320
			3.50	-.268	5.10	-.233	6.78	-.244	8.38	-.306
			3.00	-.257	4.50	-.203	6.38	-.232	7.98	-.294
N			2.50	-.249	3.50	-.176	5.88	-.209	7.38	-.276
			2.00	-.273	2.50	-.173	5.50	-.184	6.50	-.258
							4.50	-.170	5.50	-.254
							3.50	-.161	4.50	-.252
G							2.50	-.149	3.50	-.266
									2.50	-.219

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.562
46.09	-.277	46.09	-.362
46.34	-.192	46.34	-.249
46.59	-.132	46.59	-.164
46.84	-.088	46.84	-.098
47.09	*****	47.09	-.038
47.34	-.026	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 14.000 DEG.

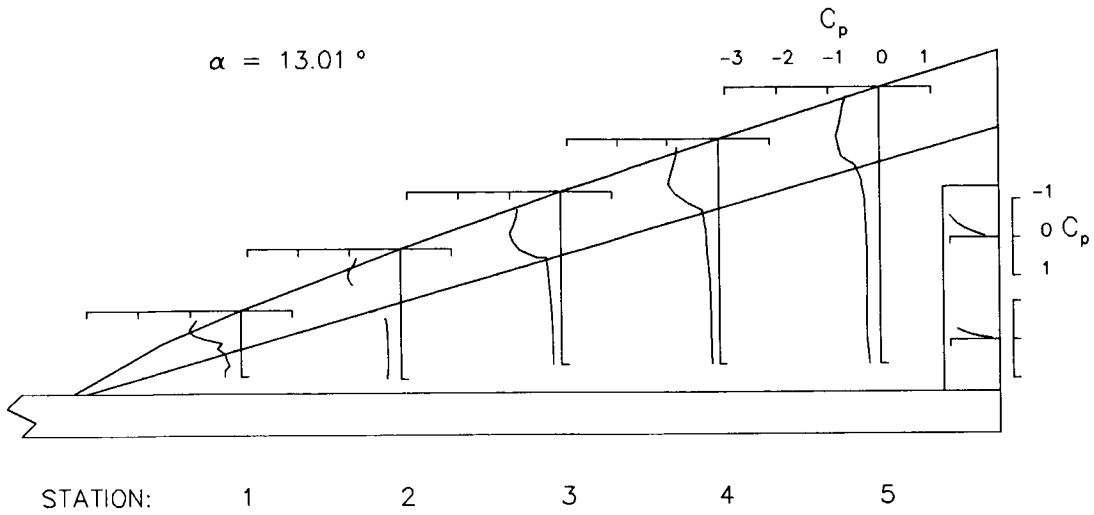
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.981	6.32	-.982	8.34	-.940	10.23	-.881	12.04	-.685
	3.99	-1.044	6.09	-1.014	8.05	-.965	9.90	-.901	11.68	-.742
E	3.85	-1.151	5.86	-1.125	7.76	-1.045	9.57	-.962	11.32	-.775
	3.71	-1.220	5.63	-1.187	7.46	-1.147	9.23	-1.050	10.96	-.821
V	3.57	-1.135	5.40	-1.171	7.17	-1.103	8.90	-1.101	10.60	-.872
	3.43	-.924	5.17	*****	6.88	-1.031	8.57	-1.003	10.24	-.858
F	3.29	-.530	4.94	*****	6.59	-.658	8.23	-.805	9.88	-.870
	3.10	-.430	4.70	*****	6.30	-.299	7.99	-.475	9.58	-.676
	2.90	-.318	4.50	*****	6.10	-.282	7.79	-.365	9.38	-.606
W	2.70	-.290	4.30	*****	5.90	-.268	7.59	-.300	9.18	-.543
	2.50	-.241	4.10	-.307	5.70	-.259	7.39	-.284	8.98	-.487
	2.30	-.329	3.90	-.288	5.50	-.257	7.19	-.251	8.78	-.420
I	2.10	-.293	3.70	*****	5.30	-.246	6.99	-.249	8.58	-.355
			3.50	-.276	5.10	-.242	6.78	-.244	8.38	-.300
			3.00	-.259	4.50	-.213	6.38	-.233	7.98	-.276
N			2.50	-.248	3.50	-.178	5.98	-.214	7.38	-.265
			2.00	-.286	2.50	-.174	5.50	-.190	6.50	-.254
							4.50	-.169	5.50	-.249
							3.50	-.160	4.50	-.250
G							2.50	-.157	3.50	-.260
									2.50	-.228

TRAILING-EDGE FLAP

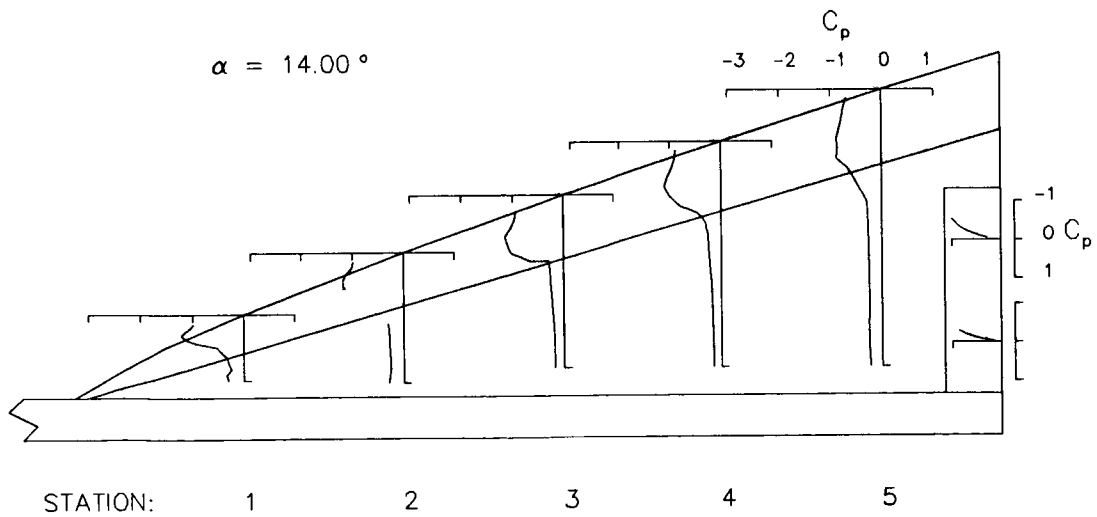
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.541
46.09	-.293	46.09	-.349
46.34	-.197	46.34	-.240
46.59	-.131	46.59	-.163
46.84	-.086	46.84	-.100
47.09	*****	47.09	-.050
47.34	-.011	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 14.959 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.115	6.32	-1.083	8.34	-1.031	10.23	-.930	12.04	-.714
	3.99	-1.177	6.09	-1.127	8.05	-1.052	9.90	-.954	11.68	-.777
E	3.85	-1.299	5.86	-1.263	7.76	-1.112	9.57	-.993	11.32	-.798
	3.71	-1.387	5.63	-1.357	7.46	-1.258	9.23	-1.084	10.96	-.829
V	3.57	-1.335	5.40	-1.322	7.17	-1.225	8.90	-1.165	10.60	-.902
	3.43	-1.128	5.17	*****	6.88	-1.203	8.57	-1.139	10.24	-.910
F	3.29	-.716	4.94	*****	6.59	-.886	8.23	-1.052	9.88	-1.002
	3.10	-.389	4.70	*****	6.30	-.376	7.99	-.713	9.58	-.952
	2.90	-.317	4.50	*****	6.10	-.294	7.79	-.527	9.38	-.868
W	2.70	-.298	4.30	*****	5.90	-.264	7.59	-.412	9.18	-.731
	2.50	-.248	4.10	-.304	5.70	-.255	7.39	-.324	8.98	-.644
	2.30	-.327	3.90	-.296	5.50	-.252	7.19	-.265	8.78	-.543
I	2.10	-.284	3.70	*****	5.30	-.249	6.99	-.236	8.58	-.432
			3.50	-.282	5.10	-.244	6.78	-.228	8.38	-.309
			3.00	-.268	4.50	-.220	6.38	-.229	7.98	-.234
N			2.50	-.257	3.50	-.181	5.98	-.213	7.38	-.244
			2.00	-.293	2.50	-.171	5.50	-.188	6.50	-.247
G							4.50	-.175	5.50	-.246
							3.50	-.165	4.50	-.247
							2.50	-.161	3.50	-.262
									2.50	-.234

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.498
46.09	-.310	46.09	-.324
46.34	-.200	46.34	-.210
46.59	-.126	46.59	-.151
46.84	-.076	46.84	-.102
47.09	*****	47.09	-.060
47.34	.004	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 15.987 DEG.

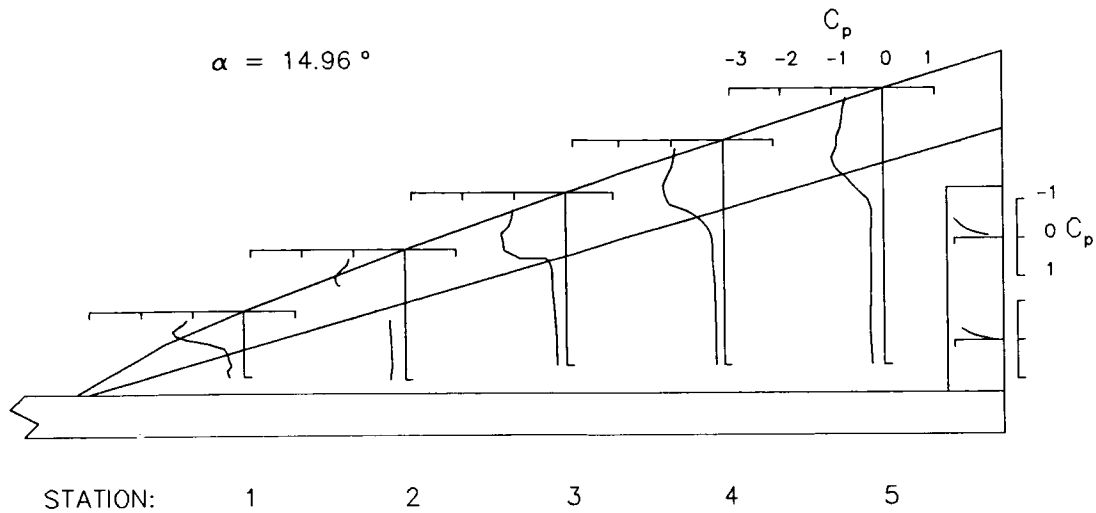
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.226	6.32	-1.184	8.34	-1.100	10.23	-.970	12.04	-.735
	3.99	-1.311	6.09	-1.220	8.05	-1.127	9.90	-.995	11.68	-.786
E	3.85	-1.478	5.86	-1.332	7.76	-1.174	9.57	-1.026	11.32	-.809
	3.71	-1.569	5.63	-1.466	7.46	-1.307	9.23	-1.114	10.96	-.843
V	3.57	-1.530	5.40	-1.488	7.17	-1.325	8.90	-1.197	10.60	-.896
	3.43	-1.343	5.17	*****	6.88	-1.354	8.57	-1.197	10.24	-.934
F	3.29	-.945	4.94	*****	6.59	-1.180	8.23	-1.229	9.88	-1.138
	3.10	-.336	4.70	*****	6.30	-.619	7.99	-1.121	9.58	-1.171
	2.90	-.311	4.50	*****	6.10	-.396	7.79	-.847	9.38	-1.090
W	2.70	-.302	4.30	*****	5.90	-.293	7.59	-.634	9.18	-1.009
	2.50	-.259	4.10	-.295	5.70	-.253	7.39	-.448	8.98	-.880
	2.30	-.338	3.90	-.292	5.50	-.241	7.19	-.318	8.78	-.748
I	2.10	-.280	3.70	*****	5.30	-.234	6.99	-.237	8.58	-.538
			3.50	-.291	5.10	-.237	6.78	-.195	8.38	-.416
			3.00	-.272	4.50	-.223	6.38	-.200	7.98	-.215
N			2.50	-.261	3.50	-.185	5.98	-.204	7.38	-.224
			2.00	-.296	2.50	-.175	5.50	-.190	6.50	-.243
G							4.50	-.173	5.50	-.246
							3.50	-.166	4.50	-.250
							2.50	-.164	3.50	-.256
									2.50	-.241

TRAILING-EDGE FLAP

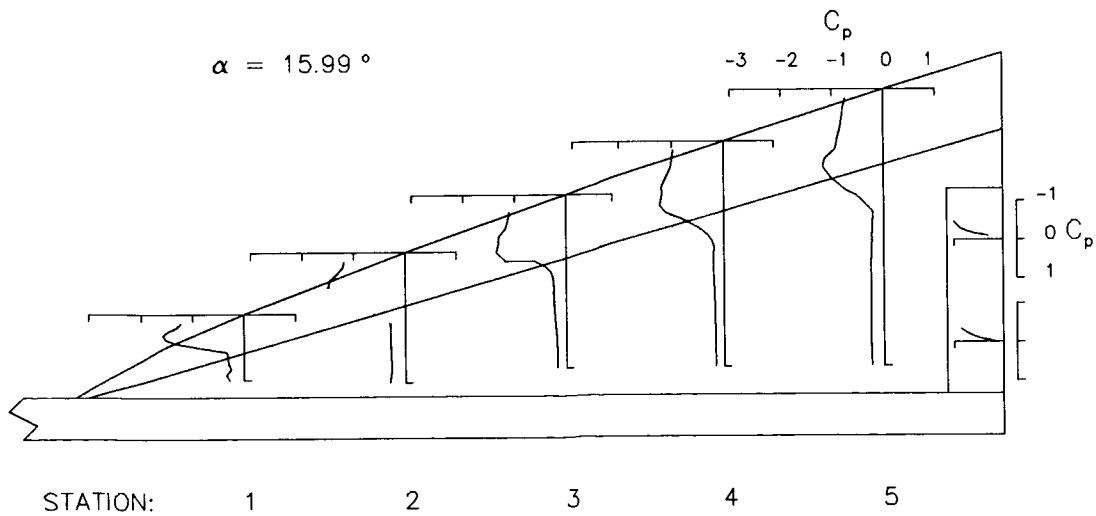
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.451
46.09	-.340	46.09	-.283
46.34	-.215	46.34	-.206
46.59	-.134	46.59	-.158
46.84	-.076	46.84	-.128
47.09	*****	47.09	-.092
47.34	.001	47.34	*****

Table V. Continued

$$\delta_{LEVf} = 40.0^\circ \quad \delta_{TEF} = 10.0^\circ$$



$$\delta_{LEVf} = 40.0^\circ \quad \delta_{TEF} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

C-3

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 18.711 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.545	6.32	-1.381	8.34	-1.205	10.23	-.994	12.04	-.749
	3.99	-1.619	6.09	-1.434	8.05	-1.237	9.90	-1.022	11.68	-.786
E	3.85	-1.868	5.86	-1.500	7.76	-1.270	9.57	-1.049	11.32	-.808
	3.71	-2.092	5.63	-1.689	7.46	-1.334	9.23	-1.089	10.96	-.827
V	3.57	-2.094	5.40	-1.831	7.17	-1.424	8.90	-1.199	10.60	-.934
	3.43	-1.933	5.17	*****	6.88	-1.582	8.57	-1.412	10.24	-1.038
F	3.29	-1.498	4.94	*****	6.59	-1.699	8.23	-1.716	9.88	-1.020
	3.10	-.401	4.70	*****	6.30	-1.565	7.99	-1.722	9.58	-1.145
	2.90	-.307	4.50	*****	6.10	-1.095	7.79	-1.468	9.38	-1.260
W	2.70	-.327	4.30	*****	5.90	-.799	7.59	-1.321	9.18	-1.279
	2.50	-.299	4.10	-.277	5.70	-.526	7.39	-1.104	8.98	-1.238
	2.30	-.403	3.90	-.270	5.50	-.329	7.19	-.908	8.78	-1.195
I	2.10	-.313	3.70	*****	5.30	-.240	6.99	-.684	8.58	-1.086
			3.50	-.297	5.10	-.209	6.78	-.474	8.38	-.946
			3.00	-.299	4.50	-.227	6.38	-.237	7.98	-.626
N			2.50	-.291	3.50	-.208	5.98	-.198	7.38	-.298
			2.00	-.318	2.50	-.199	5.50	-.195	6.50	-.250
							4.50	-.193	5.50	-.261
G							3.50	-.190	4.50	-.264
							2.50	-.188	3.50	-.269
									2.50	-.264

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.340
46.09	-.462	46.09	-.248
46.34	-.318	46.34	-.215
46.59	-.218	46.59	-.200
46.84	-.131	46.84	-.178
47.09	*****	47.09	-.156
47.34	-.019	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 20.860 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.767	6.32	-1.504	8.34	-1.239	10.23	-1.062	12.04	-.743
	3.99	-1.866	6.09	-1.546	8.05	-1.271	9.90	-1.086	11.68	-.779
E	3.85	-2.113	5.86	-1.592	7.76	-1.303	9.57	-1.106	11.32	-.792
	3.71	-2.383	5.63	-1.767	7.46	-1.375	9.23	-1.176	10.96	-.799
V	3.57	-2.441	5.40	-1.999	7.17	-1.445	8.90	-1.359	10.60	-.831
	3.43	-2.305	5.17	*****	6.88	-1.765	8.57	-1.418	10.24	-.834
F	3.29	-2.013	4.94	*****	6.59	-2.193	8.23	-1.379	9.88	-.850
	3.10	-.919	4.70	*****	6.30	-1.986	7.99	-1.504	9.58	-.869
	2.90	-.396	4.50	*****	6.10	-1.559	7.79	-1.583	9.38	-.964
W	2.70	-.352	4.30	*****	5.90	-1.243	7.59	-1.546	9.18	-1.126
	2.50	-.334	4.10	-.400	5.70	-.909	7.39	-1.449	8.98	-1.126
	2.30	-.434	3.90	-.331	5.50	-.671	7.19	-1.324	8.78	-1.338
I	2.10	-.353	3.70	*****	5.30	-.467	6.99	-1.143	8.58	-1.330
			3.50	-.324	5.10	-.338	6.78	-.918	8.38	-1.292
			3.00	-.336	4.50	-.261	6.38	-.578	7.98	-1.033
N			2.50	-.330	3.50	-.248	5.98	-.376	7.38	-.609
			2.00	-.361	2.50	-.240	5.50	-.290	6.50	-.393
							4.50	-.257	5.50	-.325
G							3.50	-.245	4.50	-.330
							2.50	-.242	3.50	-.326
									2.50	-.318

TRAILING-EDGE FLAP

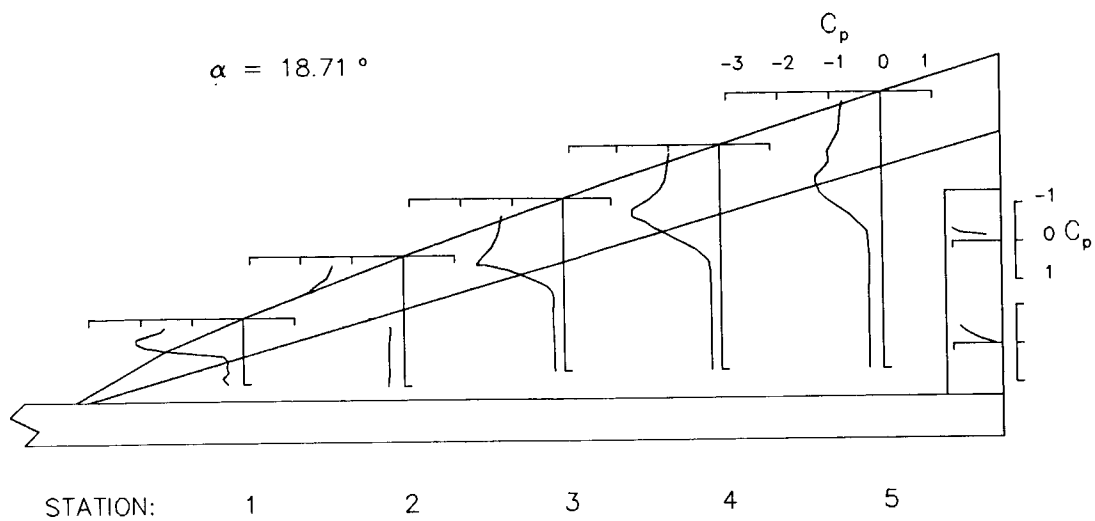
INBOARD

OUTBOARD

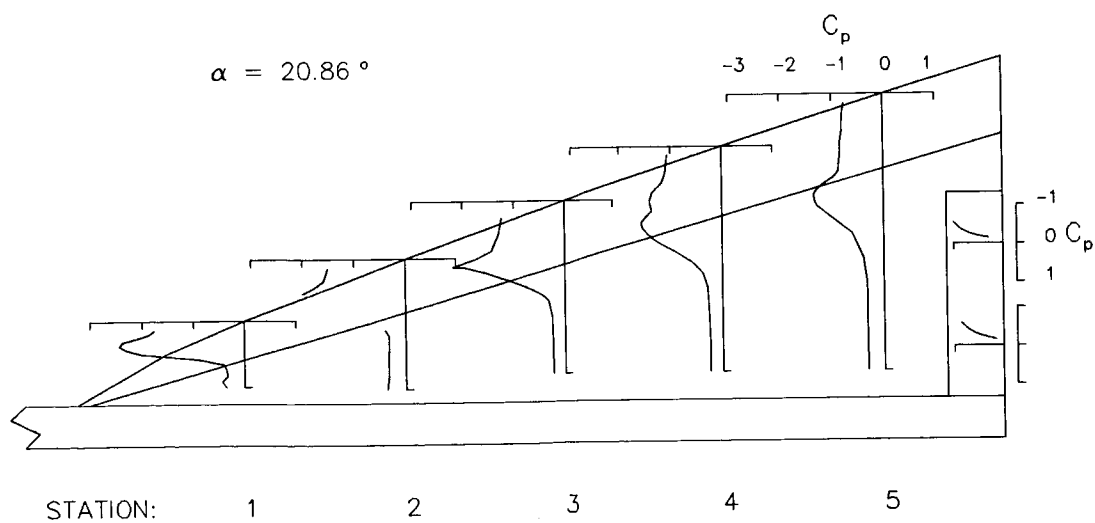
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.540
46.09	-.578	46.09	-.364
46.34	-.418	46.34	-.274
46.59	-.311	46.59	-.214
46.84	-.243	46.84	-.171
47.09	*****	47.09	-.137
47.34	-.149	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 40.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEVF}} = 40.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 23.017 DEG.

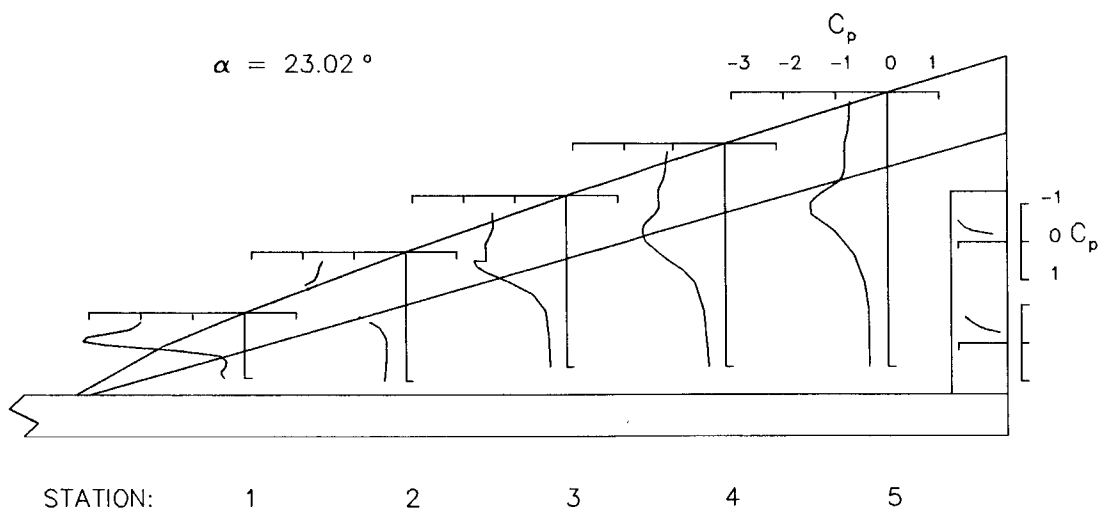
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.994	6.32	-1.611	8.34	-1.447	10.23	-1.106	12.04	-.723
	3.99	-2.076	6.09	-1.680	8.05	-1.441	9.90	-1.133	11.68	-.736
E	3.85	-2.215	5.86	-1.710	7.76	-1.440	9.57	-1.148	11.32	-.746
	3.71	-2.615	5.63	-1.776	7.46	-1.507	9.23	-1.191	10.96	-.770
V	3.57	-3.037	5.40	-1.999	7.17	-1.582	8.90	-1.276	10.60	-.823
	3.43	-3.113	5.17	*****	6.88	-1.570	8.57	-1.284	10.24	-.834
F	3.29	-2.659	4.94	*****	6.59	-1.575	8.23	-1.273	9.88	-.828
	3.10	-1.339	4.70	*****	6.30	-1.795	7.99	-1.351	9.58	-.839
	2.90	-.479	4.50	*****	6.10	-1.752	7.79	-1.470	9.38	-.862
W	2.70	-.351	4.30	*****	5.90	-1.576	7.59	-1.581	9.18	-.929
	2.50	-.373	4.10	-.697	5.70	-1.326	7.39	-1.611	8.98	-1.077
	2.30	-.453	3.90	-.518	5.50	-1.064	7.19	-1.592	8.78	-1.249
I	2.10	-.394	3.70	*****	5.30	-.860	6.99	-1.544	8.58	-1.383
			3.50	-.390	5.10	-.661	6.78	-1.404	8.38	-1.481
N			3.00	-.383	4.50	-.416	6.38	-1.147	7.98	-1.464
			2.50	-.393	3.50	-.349	5.98	-.837	7.38	-1.030
			2.00	-.422	2.50	-.329	5.50	-.592	6.50	-.648
G							4.50	-.419	5.50	-.446
							3.50	-.368	4.50	-.394
							2.50	-.322	3.50	-.370
									2.50	-.361

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.560
46.09	-.687	46.09	-.381
46.34	-.542	46.34	-.301
46.59	-.434	46.59	-.263
46.84	-.360	46.84	-.233
47.09	*****	47.09	-.199
47.34	-.285	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= -.022 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.094	6.32	.078	8.34	.069	10.23	.071	12.04	.017
	3.99	.088	6.09	.074	8.05	.063	9.90	.053	11.68	.014
E	3.85	.060	5.86	.058	7.76	.052	9.57	.035	11.32	-.010
	3.71	.051	5.63	.041	7.46	.035	9.23	.019	10.96	-.016
V	3.57	.034	5.40	.024	7.17	.010	8.90	-.004	10.60	-.050
	3.43	.016	5.17	*****	6.88	-.006	8.57	-.016	10.24	-.076
F	3.29	.001	4.94	*****	6.59	-.036	8.23	-.062	9.88	-.130
	3.10	-.127	4.70	*****	6.30	-.098	7.99	-.139	9.58	-.206
	2.90	-.048	4.50	*****	6.10	-.071	7.79	-.104	9.38	-.177
W	2.70	-.031	4.30	*****	5.90	-.057	7.59	-.085	9.18	-.166
	2.50	-.045	4.10	-.060	5.70	-.053	7.39	-.080	8.98	-.160
	2.30	-.107	3.90	-.058	5.50	-.052	7.19	-.075	8.78	-.167
I	2.10	-.032	3.70	*****	5.30	-.051	6.99	-.080	8.58	-.168
			3.50	-.061	5.10	-.050	6.78	-.080	8.38	-.176
			3.00	-.069	4.50	-.047	6.38	-.085	7.98	-.177
N			2.50	-.068	3.50	-.030	5.98	-.077	7.38	-.173
			2.00	-.085	2.50	-.022	5.50	-.063	6.50	-.175
							4.50	-.058	5.50	-.179
G							3.50	-.057	4.50	-.180
							2.50	-.046	3.50	-.183
									2.50	-.185

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.333
46.34	-.340
46.59	-.345
46.84	-.349
47.09	-.351
47.34	-.341

OUTBOARD

X IN.	CP
45.84	-.323
46.09	-.327
46.34	-.337
46.59	-.343
46.84	-.352
47.09	-.351
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 2.044 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.057	6.32	.045	8.34	.042	10.23	.034	12.04	-.025
	3.99	.057	6.09	.043	8.05	.032	9.90	.021	11.68	-.019
E	3.85	.019	5.86	.020	7.76	.016	9.57	-.001	11.32	-.041
	3.71	.004	5.63	-.001	7.46	-.007	9.23	-.019	10.96	-.050
V	3.57	-.012	5.40	-.020	7.17	-.032	8.90	-.047	10.60	-.088
	3.43	-.032	5.17	*****	6.88	-.053	8.57	-.061	10.24	-.118
F	3.29	-.053	4.94	*****	6.59	-.096	8.23	-.118	9.88	-.181
	3.10	-.209	4.70	*****	6.30	-.167	7.99	-.207	9.58	-.270
	2.90	-.107	4.50	*****	6.10	-.127	7.79	-.167	9.38	-.226
W	2.70	-.076	4.30	*****	5.90	-.100	7.59	-.130	9.18	-.206
	2.50	-.076	4.10	-.100	5.70	-.095	7.39	-.121	8.98	-.198
	2.30	-.139	3.90	-.098	5.50	-.093	7.19	-.117	8.78	-.201
I	2.10	-.069	3.70	*****	5.30	-.089	6.99	-.118	8.58	-.199
			3.50	-.098	5.10	-.089	6.78	-.113	8.38	-.207
			3.00	-.101	4.50	-.078	6.38	-.117	7.98	-.204
N			2.50	-.097	3.50	-.055	5.98	-.103	7.38	-.193
			2.00	-.114	2.50	-.045	5.50	-.087	6.50	-.191
							4.50	-.079	5.50	-.192
G							3.50	-.074	4.50	-.193
							2.50	-.061	3.50	-.192
									2.50	-.195

TRAILING-EDGE FLAP

INBOARD

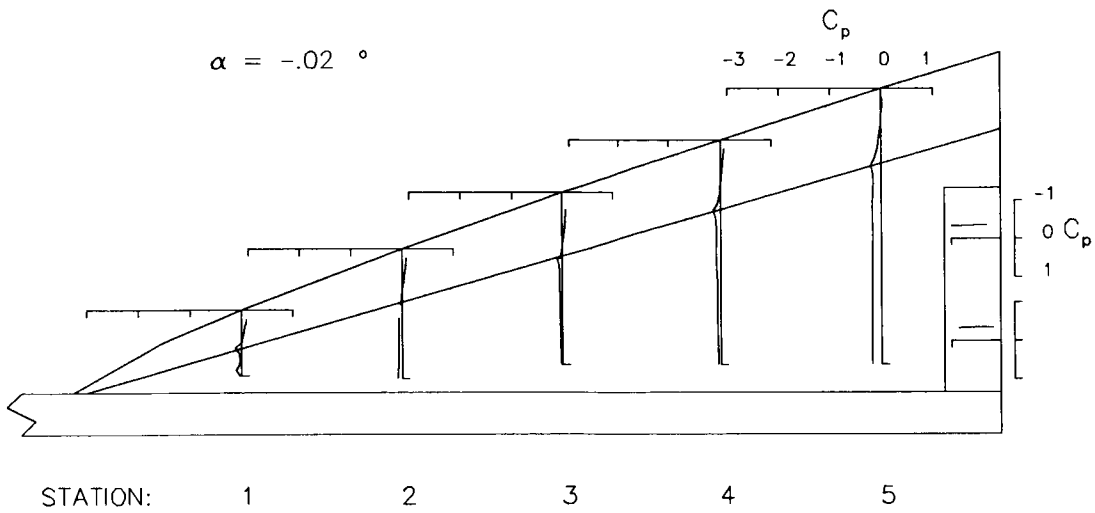
X IN.	CP
45.84	*****
46.09	-.362
46.34	-.357
46.59	-.370
46.84	-.364
47.09	-.355
47.34	-.338

OUTBOARD

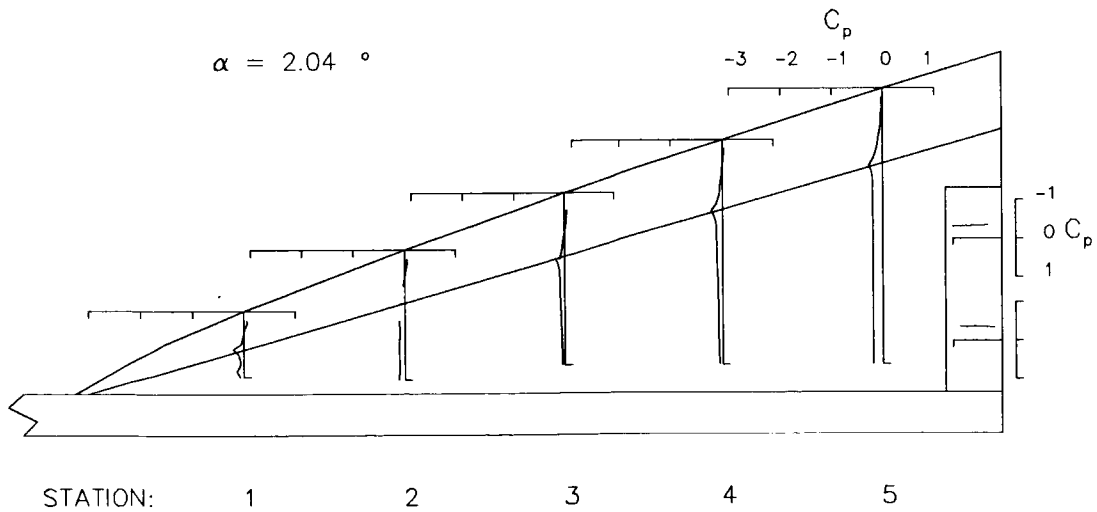
X IN.	CP
45.84	-.312
46.09	-.316
46.34	-.327
46.59	-.334
46.84	-.342
47.09	-.344
47.34	*****

Table V. Continued

$$\delta_{\text{LEVf}} = 40.0^\circ \quad \delta_{\text{TEf}} = 20.0^\circ$$



$$\delta_{\text{LEVf}} = 40.0^\circ \quad \delta_{\text{TEf}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 40 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 3.966 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.004	6.32	-.008	8.34	-.012	10.23	-.015	12.04	-.076
	3.99	-.005	6.09	-.004	8.05	-.015	9.90	-.024	11.68	-.060
E	3.85	-.030	5.86	-.025	7.76	-.031	9.57	-.046	11.32	-.083
	3.71	-.044	5.63	-.048	7.46	-.052	9.23	-.066	10.96	-.091
V	3.57	-.062	5.40	-.072	7.17	-.080	8.90	-.092	10.60	-.131
	3.43	-.083	5.17	*****	6.88	-.104	8.57	-.111	10.24	-.166
F	3.29	-.109	4.94	*****	6.59	-.157	8.23	-.174	9.88	-.239
	3.10	-.276	4.70	*****	6.30	-.240	7.99	-.285	9.58	-.338
	2.90	-.179	4.50	*****	6.10	-.199	7.79	-.258	9.38	-.289
W	2.70	-.115	4.30	*****	5.90	-.142	7.59	-.175	9.18	-.244
	2.50	-.104	4.10	-.145	5.70	-.136	7.39	-.163	8.98	-.234
	2.30	-.167	3.90	-.135	5.50	-.132	7.19	-.154	8.78	-.234
I	2.10	-.101	3.70	*****	5.30	-.126	6.99	-.150	8.58	-.231
			3.50	-.134	5.10	-.120	6.78	-.148	8.38	-.236
			3.30	-.132	4.90	-.106	6.58	-.141	8.18	-.225
N			3.10	-.127	4.70	-.079	6.38	-.130	7.98	-.211
			2.90	-.141	4.50	-.066	6.18	-.111	7.78	-.203
					4.30		5.98	-.097	7.58	-.208
G					4.10		5.78	-.091	7.38	-.198
					3.90		5.58	-.077	7.18	-.199
					3.70		5.38		6.98	-.197
					3.50		5.18		6.78	
					3.30		4.98		6.58	
					3.10		4.78		6.38	
					2.90		4.58		6.18	
					2.70		4.38		5.98	
					2.50		4.18		5.78	
					2.30		3.98		5.58	
					2.10		3.78		5.38	
					1.90		3.58		5.18	
					1.70		3.38		4.98	
					1.50		3.18		4.78	
					1.30		2.98		4.58	
					1.10		2.78		4.38	
					0.90		2.58		4.18	
					0.70		2.38		3.98	
					0.50		2.18		3.78	
					0.30		1.98		3.58	
					0.10		1.78		3.38	
					0.00		1.58		3.18	

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.317
46.09	-.312	46.09	-.326
46.34	-.325	46.34	-.334
46.59	-.339	46.59	-.340
46.84	-.345	46.84	-.346
47.09	-.347	47.09	-.348
47.34	-.333	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 40 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 6.015 DEG.

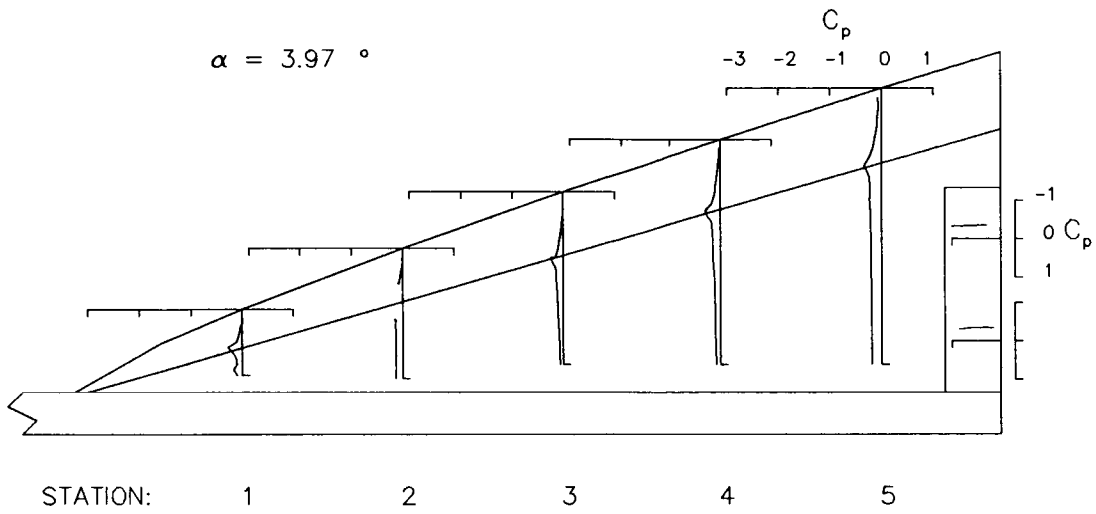
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.055	6.32	-.078	8.34	-.098	10.23	-.123	12.04	-.256
	3.99	-.070	6.09	-.078	8.05	-.093	9.90	-.095	11.68	-.131
E	3.85	-.096	5.86	-.092	7.76	-.098	9.57	-.110	11.32	-.136
	3.71	-.106	5.63	-.111	7.46	-.115	9.23	-.126	10.96	-.144
V	3.57	-.126	5.40	-.132	7.17	-.144	8.90	-.151	10.60	-.185
	3.43	-.143	5.17	*****	6.88	-.170	8.57	-.176	10.24	-.223
F	3.29	-.167	4.94	*****	6.59	-.226	8.23	-.247	9.88	-.310
	3.10	-.308	4.70	*****	6.30	-.322	7.99	-.369	9.58	-.412
	2.90	-.247	4.50	*****	6.10	-.300	7.79	-.362	9.38	-.395
W	2.70	-.182	4.30	*****	5.90	-.189	7.59	-.220	9.18	-.289
	2.50	-.156	4.10	-.197	5.70	-.187	7.39	-.219	8.98	-.287
	2.30	-.244	3.90	-.194	5.50	-.178	7.19	-.206	8.78	-.285
I	2.10	-.122	3.70	*****	5.30	-.169	6.99	-.197	8.58	-.273
			3.50	-.179	5.10	-.162	6.78	-.186	8.38	-.272
			3.30	-.175	4.90	-.138	6.58	-.173	8.18	-.252
N			3.10	-.150	4.70	-.106	6.38	-.161	7.98	-.236
			2.90	-.163	4.50	-.084	6.18	-.137	7.78	-.225
					4.30		5.98	-.111	7.58	-.220
G					4.10		5.78	-.090	7.38	-.218
					3.90		5.58		7.18	-.217
					3.70		5.38		6.98	-.211
					3.50		5.18		6.78	
					3.30		4.98		6.58	
					3.10		4.78		6.38	
					2.90		4.58		6.18	
					2.70		4.38		5.98	
					2.50		4.18		5.78	
					2.30		3.98		5.58	
					2.10		3.78		5.38	
					1.90		3.58		5.18	
					1.70		3.38		4.98	
					1.50		3.18		4.78	
					1.30		2.98		4.58	
					1.10		2.78		4.38	
					0.90		2.58		4.18	
					0.70		2.38		3.98	
					0.50		2.18		3.78	
					0.30		1.98		3.58	
					0.10		1.78		3.38	
					0.00		1.58		3.18	

TRAILING-EDGE FLAP

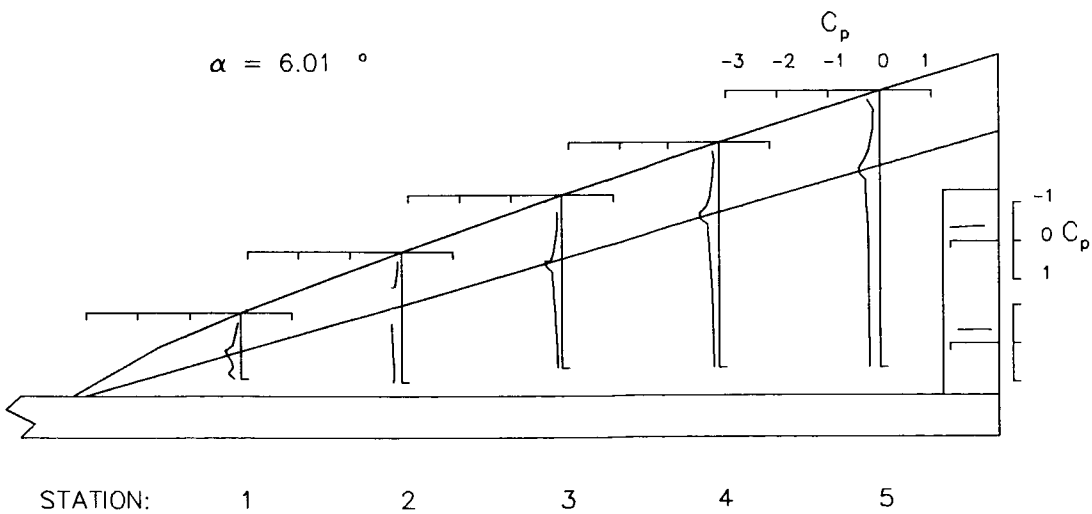
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.347
46.09	-.343	46.09	-.352
46.34	-.342	46.34	-.363
46.59	-.346	46.59	-.375
46.84	-.351	46.84	-.383
47.09	-.354	47.09	-.384
47.34	-.338	47.34	*****

Table V. Continued

$$\delta_{\text{LEVf}} = 40.0^\circ \quad \delta_{\text{TEf}} = 20.0^\circ$$



$$\delta_{\text{LEVf}} = 40.0^\circ \quad \delta_{\text{TEf}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 8.077 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.305	6.32	-.391	8.34	-.389	10.23	-.391	12.04	-.385
	3.99	-.228	6.09	-.398	8.05	-.399	9.90	-.416	11.68	-.422
E	3.85	-.161	5.86	-.139	7.76	-.338	9.57	-.422	11.32	-.447
	3.71	-.147	5.63	-.121	7.46	-.194	9.23	-.226	10.96	-.322
V	3.57	-.178	5.40	-.166	7.17	-.165	8.90	-.168	10.60	-.213
	3.43	-.199	5.17	*****	6.88	-.199	8.57	-.184	10.24	-.214
F	3.29	-.215	4.94	*****	6.59	-.266	8.23	-.275	9.88	-.324
	3.10	-.359	4.70	*****	6.30	-.373	7.99	-.409	9.58	-.433
	2.90	-.305	4.50	*****	6.10	-.363	7.79	-.390	9.38	-.384
W	2.70	-.250	4.30	*****	5.90	-.229	7.59	-.258	9.18	-.320
	2.50	-.213	4.10	-.257	5.70	-.236	7.39	-.252	8.98	-.306
	2.30	-.325	3.90	-.249	5.50	-.220	7.19	-.237	8.78	-.300
I	2.10	-.162	3.70	*****	5.30	-.205	6.99	-.227	8.58	-.290
			3.50	-.232	5.10	-.199	6.78	-.221	8.38	-.291
			3.00	-.234	4.50	-.185	6.38	-.206	7.98	-.273
N			2.50	-.176	3.50	-.161	5.98	-.191	7.38	-.264
			2.00	-.189	2.50	-.094	5.50	-.177	6.50	-.261
							4.50	-.168	5.50	-.258
G							3.50	-.136	4.50	-.251
							2.50	-.100	3.50	-.225
									2.50	-.224

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.339
46.34	-.337
46.59	-.344
46.84	-.353
47.09	-.355
47.34	-.349

OUTBOARD

X IN.	CP
45.84	-.430
46.09	-.445
46.34	-.460
46.59	-.476
46.84	-.477
47.09	-.463
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 9.989 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.540	6.32	-.568	8.34	-.565	10.23	-.572	12.04	-.514
	3.99	-.566	6.09	-.593	8.05	-.578	9.90	-.585	11.68	-.570
E	3.85	-.548	5.86	-.625	7.76	-.609	9.57	-.622	11.32	-.615
	3.71	-.403	5.63	-.527	7.46	-.596	9.23	-.637	10.96	-.618
V	3.57	-.251	5.40	-.246	7.17	-.414	8.90	-.522	10.60	-.576
	3.43	-.226	5.17	*****	6.88	-.254	8.57	-.291	10.24	-.385
F	3.29	-.237	4.94	*****	6.59	-.245	8.23	-.251	9.88	-.297
	3.10	-.418	4.70	*****	6.30	-.380	7.99	-.391	9.58	-.394
	2.90	-.334	4.50	*****	6.10	-.322	7.79	-.335	9.38	-.358
W	2.70	-.267	4.30	*****	5.90	-.265	7.59	-.292	9.18	-.336
	2.50	-.223	4.10	-.271	5.70	-.251	7.39	-.272	8.98	-.318
	2.30	-.389	3.90	-.259	5.50	-.236	7.19	-.253	8.78	-.313
I	2.10	-.228	3.70	*****	5.30	-.225	6.99	-.247	8.58	-.304
			3.50	-.255	5.10	-.215	6.78	-.235	8.38	-.302
			3.00	-.250	4.50	-.197	6.38	-.219	7.98	-.287
N			2.50	-.230	3.50	-.180	5.98	-.207	7.38	-.273
			2.00	-.210	2.50	-.117	5.50	-.191	6.50	-.266
							4.50	-.177	5.50	-.265
G							3.50	-.174	4.50	-.281
							2.50	-.108	3.50	-.245
									2.50	-.231

TRAILING-EDGE FLAP

INBOARD

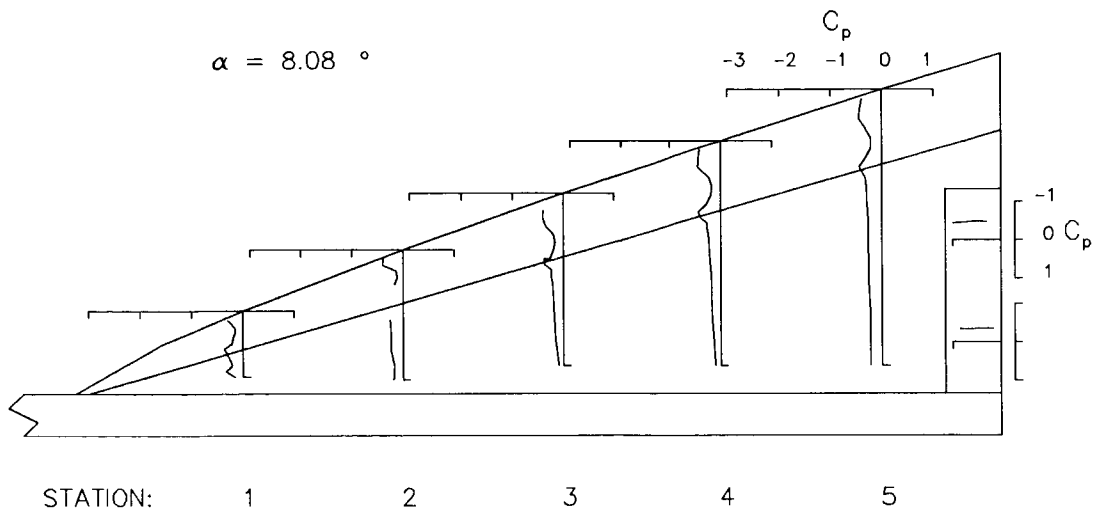
X IN.	CP
45.84	*****
46.09	-.335
46.34	-.339
46.59	-.342
46.84	-.348
47.09	-.353
47.34	-.350

OUTBOARD

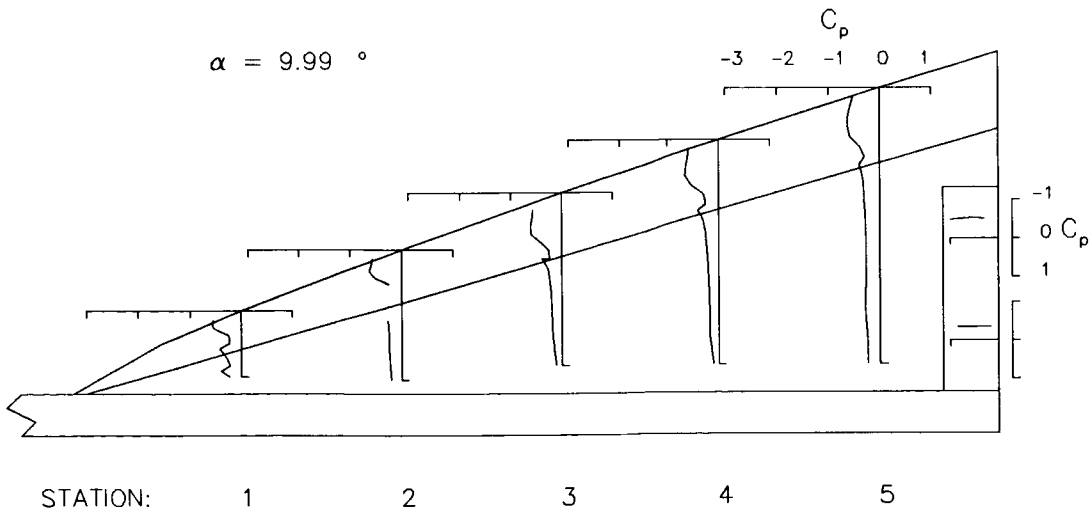
X IN.	CP
45.84	-.479
46.09	-.495
46.34	-.509
46.59	-.523
46.84	-.522
47.09	-.493
47.34	*****

Table V. Continued

$$\delta_{\text{LEVf}} = 40.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEVf}} = 40.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 10.969 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.647	6.32	-.666	8.34	-.671	10.23	-.664	12.04	-.580
	3.99	-.667	6.09	-.689	8.05	-.672	9.90	-.681	11.68	-.650
E	3.85	-.694	5.86	-.758	7.76	-.725	9.57	-.715	11.32	-.683
	3.71	-.624	5.63	-.726	7.46	-.753	9.23	-.743	10.96	-.719
V	3.57	-.463	5.40	-.521	7.17	-.606	8.90	-.702	10.60	-.721
	3.43	-.319	5.17	*****	6.88	-.415	8.57	-.493	10.24	-.566
F	3.29	-.245	4.94	*****	6.59	-.257	8.23	-.308	9.88	-.413
	3.10	-.455	4.70	*****	6.30	-.365	7.99	-.349	9.58	-.361
	2.90	-.324	4.50	*****	6.10	-.315	7.79	-.319	9.38	-.347
W	2.70	-.273	4.30	*****	5.90	-.280	7.59	-.293	9.18	-.335
	2.50	-.218	4.10	-.282	5.70	-.261	7.39	-.278	8.98	-.323
	2.30	-.357	3.90	-.265	5.50	-.247	7.19	-.256	8.78	-.320
I	2.10	-.290	3.70	*****	5.30	-.233	6.99	-.258	8.58	-.311
			3.50	-.261	5.10	-.224	6.78	-.244	8.38	-.308
			3.00	-.249	4.50	-.198	6.38	-.230	7.98	-.295
N			2.50	-.271	3.50	-.179	5.98	-.205	7.38	-.278
			2.00	-.226	2.50	-.141	5.50	-.191	6.50	-.270
							4.50	-.177	5.50	-.266
G							3.50	-.189	4.50	-.281
							2.50	-.119	3.50	-.266
									2.50	-.236

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.492
46.09	-.349	46.09	-.499
46.34	-.353	46.34	-.515
46.59	-.356	46.59	-.532
46.84	-.363	46.84	-.529
47.09	-.366	47.09	-.498
47.34	-.361	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 11.967 DEG.

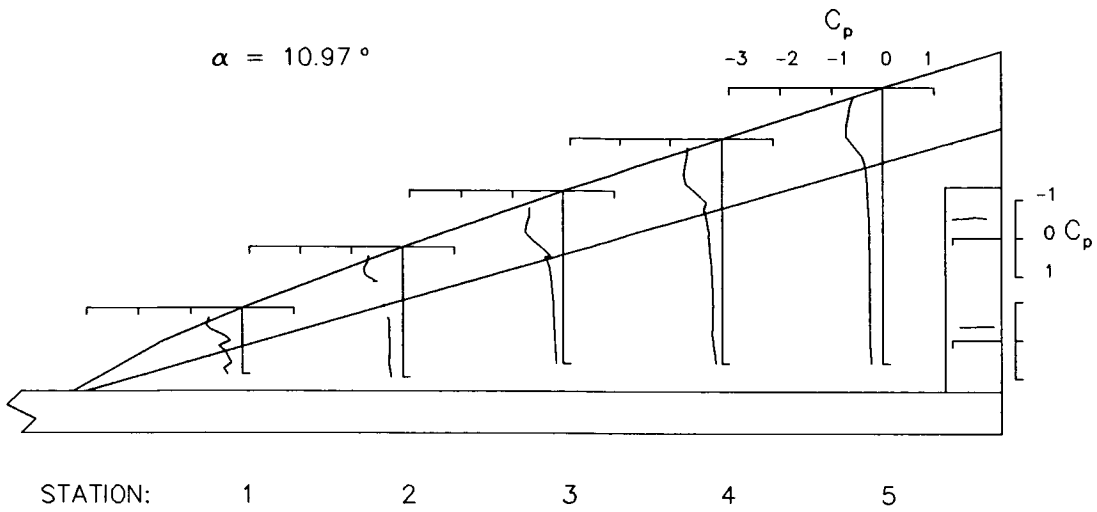
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.755	6.32	-.762	8.34	-.763	10.23	-.761	12.04	-.642
	3.99	-.802	6.09	-.811	8.05	-.782	9.90	-.779	11.68	-.719
E	3.85	-.840	5.86	-.877	7.76	-.831	9.57	-.825	11.32	-.757
	3.71	-.843	5.63	-.883	7.46	-.888	9.23	-.860	10.96	-.791
V	3.57	-.688	5.40	-.773	7.17	-.789	8.90	-.869	10.60	-.819
	3.43	-.493	5.17	*****	6.88	-.632	8.57	-.697	10.24	-.723
F	3.29	-.280	4.94	*****	6.59	-.319	8.23	-.418	9.88	-.573
	3.10	-.483	4.70	*****	6.30	-.336	7.99	-.321	9.58	-.371
	2.90	-.320	4.50	*****	6.10	-.310	7.79	-.308	9.38	-.353
W	2.70	-.260	4.30	*****	5.90	-.286	7.59	-.287	9.18	-.337
	2.50	-.218	4.10	-.293	5.70	-.268	7.39	-.273	8.98	-.325
	2.30	-.320	3.90	-.274	5.50	-.256	7.19	-.263	8.78	-.324
I	2.10	-.318	3.70	*****	5.30	-.241	6.99	-.262	8.58	-.313
			3.50	-.263	5.10	-.231	6.78	-.251	8.38	-.312
			3.00	-.252	4.50	-.204	6.38	-.237	7.98	-.302
N			2.50	-.257	3.50	-.177	5.98	-.213	7.38	-.284
			2.00	-.250	2.50	-.179	5.50	-.193	6.50	-.273
							4.50	-.178	5.50	-.265
G							3.50	-.183	4.50	-.268
							2.50	-.136	3.50	-.279
									2.50	-.238

TRAILING-EDGE FLAP

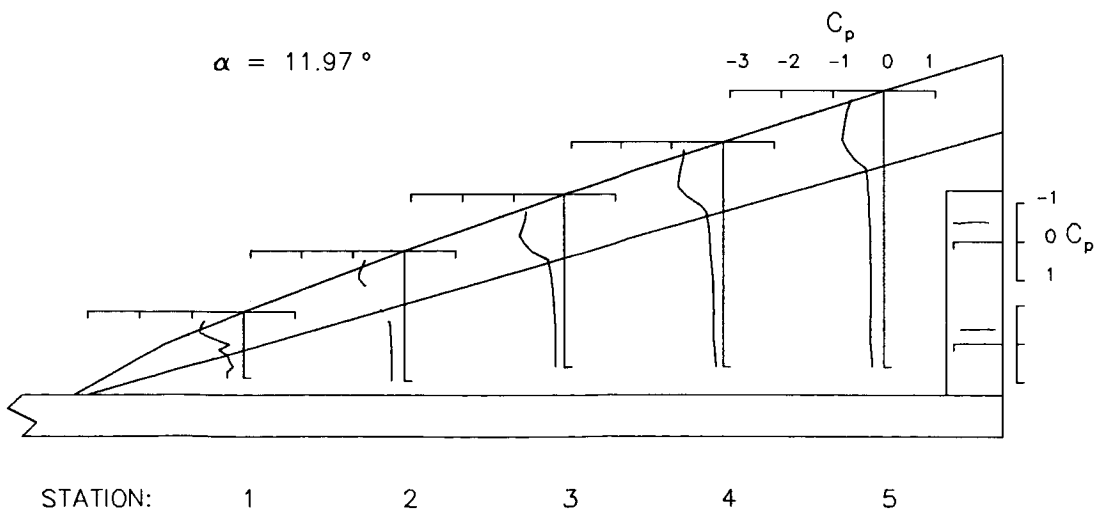
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.486
46.09	-.367	46.09	-.483
46.34	-.371	46.34	-.503
46.59	-.376	46.59	-.514
46.84	-.378	46.84	-.517
47.09	-.382	47.09	-.491
47.34	-.373	47.34	*****

Table V. Continued

$$\delta_{\text{LEVf}} = 40.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEVf}} = 40.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 13.004 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.875	6.32	-.886	8.34	-.871	10.23	-.838	12.04	-.693
	3.99	-.937	6.09	-.927	8.05	-.896	9.90	-.863	11.68	-.767
E	3.85	-1.013	5.86	-.999	7.76	-.963	9.57	-.923	11.32	-.805
	3.71	-1.026	5.63	-1.051	7.46	-1.020	9.23	-1.000	10.96	-.854
V	3.57	-.924	5.40	-.992	7.17	-.957	8.90	-1.022	10.60	-.899
	3.43	-.690	5.17	*****	6.88	-.822	8.57	-.872	10.24	-.849
F	3.29	-.378	4.94	*****	6.59	-.479	8.23	-.619	9.88	-.753
	3.10	-.472	4.70	*****	6.30	-.309	7.99	-.331	9.58	-.496
	2.90	-.320	4.50	*****	6.10	-.293	7.79	-.307	9.38	-.438
W	2.70	-.281	4.30	*****	5.90	-.276	7.59	-.282	9.18	-.396
	2.50	-.224	4.10	-.301	5.70	-.267	7.39	-.275	8.98	-.348
	2.30	-.330	3.90	-.284	5.50	-.260	7.19	-.259	8.78	-.334
I	2.10	-.313	3.70	*****	5.30	-.250	6.99	-.260	8.58	-.319
			3.50	-.269	5.10	-.241	6.78	-.253	8.38	-.309
			3.00	-.252	4.50	-.210	6.38	-.243	7.98	-.302
N			2.50	-.250	3.50	-.179	5.98	-.218	7.38	-.282
			2.00	-.272	2.50	-.176	5.50	-.194	6.50	-.267
							5.00	-.175	5.50	-.263
G							3.50	-.172	4.50	-.264
							2.50	-.155	3.50	-.287
									2.50	-.244

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.456
46.09	-.392	46.09	-.460
46.34	-.395	46.34	-.472
46.59	-.394	46.59	-.480
46.84	-.401	46.84	-.493
47.09	-.394	47.09	-.474
47.34	-.385	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 13.991 DEG.

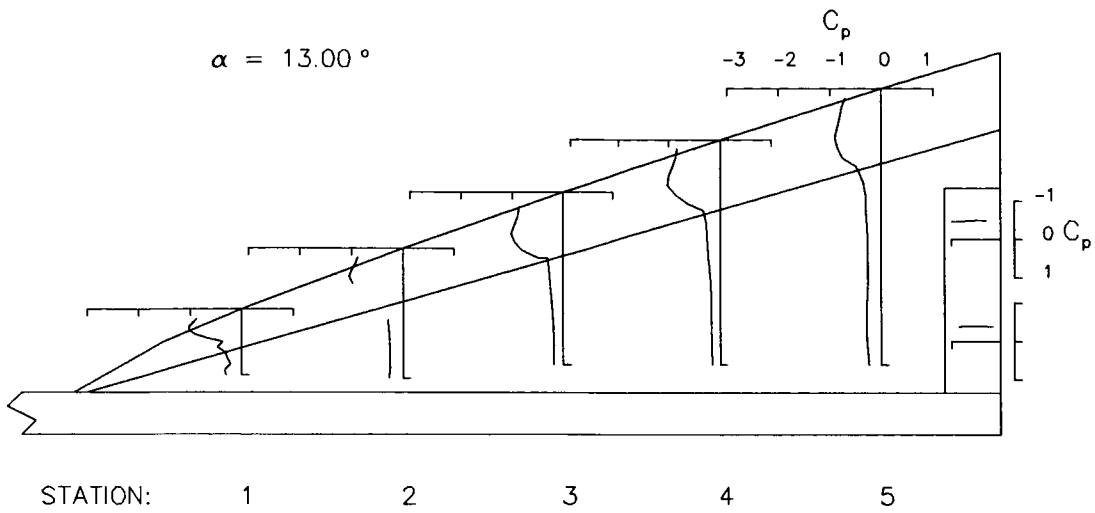
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.993	6.32	-.995	8.34	-.962	10.23	-.912	12.04	-.724
	3.99	-1.062	6.09	-1.032	8.05	-.987	9.90	-.928	11.68	-.793
E	3.85	-1.169	5.86	-1.139	7.76	-1.067	9.57	-1.000	11.32	-.834
	3.71	-1.210	5.63	-1.220	7.46	-1.176	9.23	-1.098	10.96	-.892
V	3.57	-1.141	5.40	-1.196	7.17	-1.114	8.90	-1.141	10.60	-.951
	3.43	-.914	5.17	*****	6.88	-1.038	8.57	-1.035	10.24	-.946
F	3.29	-.528	4.94	*****	6.59	-.675	8.23	-.843	9.88	-.928
	3.10	-.432	4.70	*****	6.30	-.295	7.99	-.486	9.58	-.694
	2.90	-.318	4.50	*****	6.10	-.280	7.79	-.347	9.38	-.637
W	2.70	-.287	4.30	*****	5.90	-.272	7.59	-.311	9.18	-.541
	2.50	-.233	4.10	-.304	5.70	-.267	7.39	-.275	8.98	-.450
	2.30	-.345	3.90	-.290	5.50	-.264	7.19	-.255	8.78	-.391
I	2.10	-.291	3.70	*****	5.30	-.251	6.99	-.254	8.58	-.334
			3.50	-.280	5.10	-.247	6.78	-.245	8.38	-.296
			3.00	-.261	4.50	-.219	6.38	-.241	7.98	-.278
N			2.50	-.254	3.50	-.180	5.98	-.224	7.38	-.272
			2.00	-.289	2.50	-.176	5.50	-.200	6.50	-.263
							4.50	-.179	5.50	-.263
G							3.50	-.173	4.50	-.264
							2.50	-.167	3.50	-.276
									2.50	-.250

TRAILING-EDGE FLAP

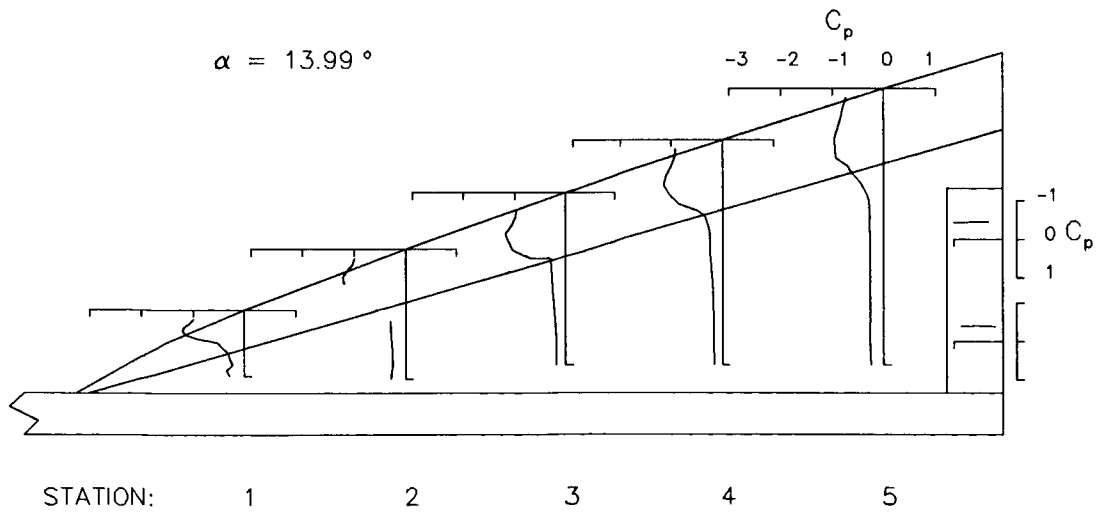
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.427
46.09	-.404	46.09	-.428
46.34	-.397	46.34	-.446
46.59	-.408	46.59	-.452
46.84	-.403	46.84	-.459
47.09	-.402	47.09	-.452
47.34	-.388	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 15.040 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.130	6.32	-1.098	8.34	-1.064	10.23	-.975	12.04	-.762
	3.99	-1.195	6.09	-1.138	8.05	-1.089	9.90	-.992	11.68	-.818
E	3.85	-1.325	5.86	-1.279	7.76	-1.149	9.57	-1.055	11.32	-.846
	3.71	-1.424	5.63	-1.360	7.46	-1.295	9.23	-1.140	10.96	-.902
V	3.57	-1.336	5.40	-1.345	7.17	-1.245	8.90	-1.210	10.60	-.967
	3.43	-1.148	5.17	*****	6.88	-1.224	8.57	-1.190	10.24	-.988
F	3.29	-.743	4.94	*****	6.59	-.939	8.23	-1.075	9.88	-1.072
	3.10	-.382	4.70	*****	6.30	-.384	7.99	-.719	9.58	-1.014
	2.90	-.318	4.50	*****	6.10	-.300	7.79	-.529	9.38	-.906
W	2.70	-.298	4.30	*****	5.90	-.268	7.59	-.399	9.18	-.767
	2.50	-.241	4.10	-.306	5.70	-.261	7.39	-.321	8.98	-.678
	2.30	-.344	3.90	-.294	5.50	-.256	7.19	-.260	8.78	-.506
I	2.10	-.280	3.70	*****	5.30	-.250	6.99	-.245	8.58	-.390
			3.50	-.288	5.10	-.246	6.78	-.230	8.38	-.302
			3.00	-.269	4.50	-.226	6.38	-.230	7.98	-.241
N			2.50	-.257	3.50	-.187	5.98	-.218	7.38	-.252
			2.00	-.294	2.50	-.179	5.50	-.200	6.50	-.257
							4.50	-.181	5.50	-.260
G							3.50	-.173	4.50	-.258
							2.50	-.171	3.50	-.272
									2.50	-.252

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.400
46.09	-.420	46.09	-.404
46.34	-.420	46.34	-.412
46.59	-.416	46.59	-.431
46.84	-.412	46.84	-.436
47.09	-.407	47.09	-.435
47.34	-.394	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 15.960 DEG.

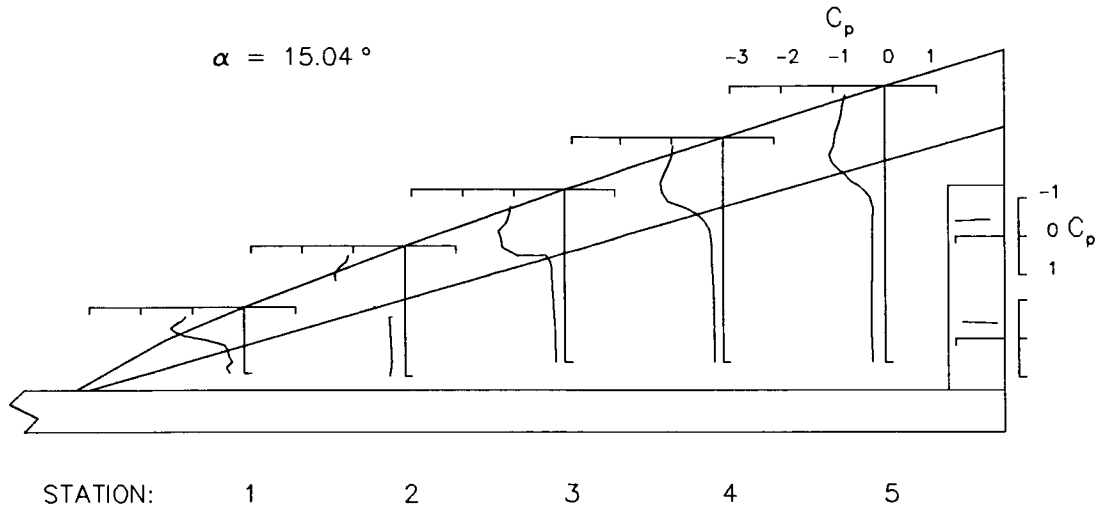
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.240	6.32	-1.195	8.34	-1.126	10.23	-1.010	12.04	-.780
	3.99	-1.308	6.09	-1.224	8.05	-1.139	9.90	-1.026	11.68	-.829
E	3.85	-1.493	5.86	-1.349	7.76	-1.209	9.57	-1.065	11.32	-.852
	3.71	-1.599	5.63	-1.498	7.46	-1.340	9.23	-1.146	10.96	-.883
V	3.57	-1.539	5.40	-1.508	7.17	-1.341	8.90	-1.233	10.60	-.970
	3.43	-1.355	5.17	*****	6.88	-1.379	8.57	-1.254	10.24	-.995
F	3.29	-.938	4.94	*****	6.59	-1.180	8.23	-1.278	9.88	-1.193
	3.10	-.344	4.70	*****	6.30	-.602	7.99	-1.112	9.58	-1.223
	2.90	-.312	4.50	*****	6.10	-.401	7.79	-.835	9.38	-1.107
W	2.70	-.303	4.30	*****	5.90	-.290	7.59	-.624	9.18	-1.010
	2.50	-.249	4.10	-.300	5.70	-.259	7.39	-.434	8.98	-.889
	2.30	-.356	3.90	-.295	5.50	-.247	7.19	-.328	8.78	-.733
I	2.10	-.282	3.70	*****	5.30	-.238	6.99	-.235	8.58	-.575
			3.50	-.291	5.10	-.241	6.78	-.206	8.38	-.380
			3.00	-.278	4.50	-.232	6.38	-.211	7.98	-.221
N			2.50	-.262	3.50	-.190	5.98	-.210	7.38	-.236
			2.00	-.299	2.50	-.180	5.50	-.198	6.50	-.253
							4.50	-.186	5.50	-.257
G							3.50	-.175	4.50	-.263
							2.50	-.176	3.50	-.272
									2.50	-.253

TRAILING-EDGE FLAP

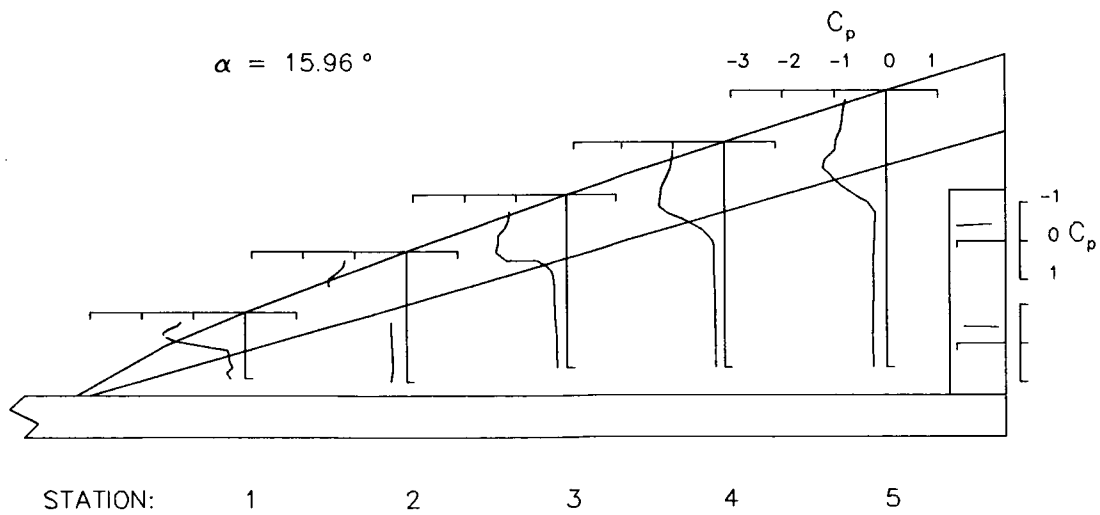
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.393
46.09	-.434	46.09	-.401
46.34	-.433	46.34	-.409
46.59	-.432	46.59	-.424
46.84	-.433	46.84	-.432
47.09	-.427	47.09	-.438
47.34	-.416	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 40.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEVF}} = 40.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 18.757 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.548	6.32	-1.398	8.34	-1.220	10.23	-1.028	12.04	-.779
	3.99	-1.628	6.09	-1.439	8.05	-1.260	9.90	-1.055	11.68	-.814
E	3.85	-1.888	5.86	-1.506	7.76	-1.285	9.57	-1.079	11.32	-.842
	3.71	-2.115	5.63	-1.715	7.46	-1.372	9.23	-1.121	10.96	-.866
V	3.57	-2.130	5.40	-1.848	7.17	-1.457	8.90	-1.231	10.60	-.990
	3.43	-1.952	5.17	*****	6.88	-1.625	8.57	-1.449	10.24	-1.100
F	3.29	-1.518	4.94	*****	6.59	-1.773	8.23	-1.754	9.88	-1.062
	3.10	-.395	4.70	*****	6.30	-1.576	7.99	-1.749	9.58	-1.194
	2.90	-.312	4.50	*****	6.10	-1.142	7.79	-1.522	9.38	-1.287
W	2.70	-.323	4.30	*****	5.90	-.788	7.59	-1.348	9.18	-1.312
	2.50	-.296	4.10	-.275	5.70	-.550	7.39	-1.144	8.98	-1.278
	2.30	-.428	3.90	-.271	5.50	-.344	7.19	-.908	8.78	-1.228
I	2.10	-.315	3.70	*****	5.30	-.247	6.99	-.679	8.58	-1.101
			3.50	-.300	5.10	-.214	6.78	-.465	8.38	-.934
			3.00	-.304	4.50	-.234	6.38	-.247	7.98	-.619
N			2.50	-.294	3.50	-.216	5.98	-.209	7.38	-.321
			2.00	-.323	2.50	-.205	5.50	-.205	6.50	-.260
							4.50	-.208	5.50	-.282
G							3.50	-.201	4.50	-.288
							2.50	-.202	3.50	-.292
									2.50	-.293

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.435
46.09	-.515	46.09	-.445
46.34	-.526	46.34	-.450
46.59	-.540	46.59	-.470
46.84	-.543	46.84	-.476
47.09	-.549	47.09	-.468
47.34	-.538	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 40 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 20.912 DEG.

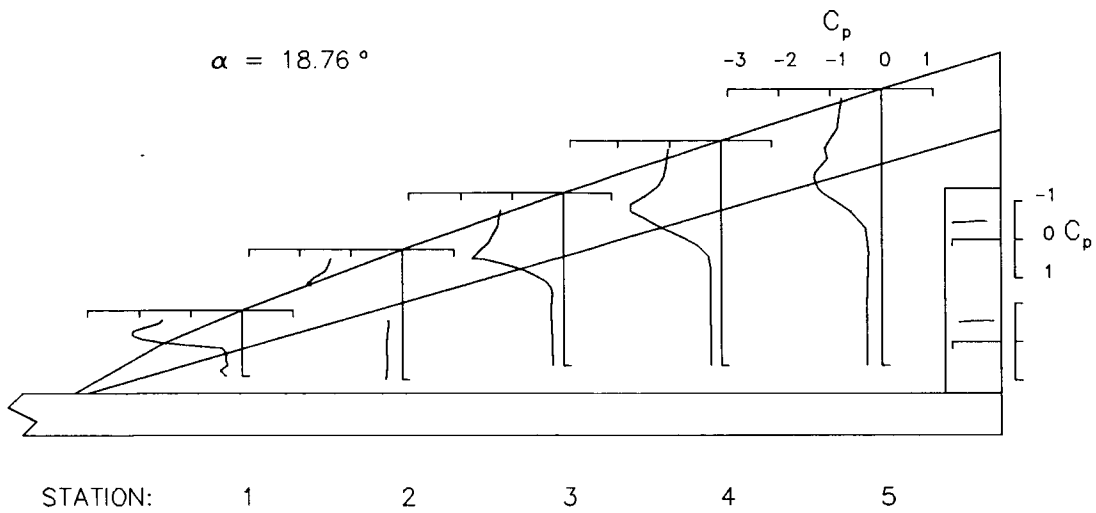
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.786	6.32	-1.519	8.34	-1.269	10.23	-1.106	12.04	-.778
	3.99	-1.863	6.09	-1.571	8.05	-1.296	9.90	-1.110	11.68	-.801
E	3.85	-2.115	5.86	-1.625	7.76	-1.326	9.57	-1.139	11.32	-.818
	3.71	-2.426	5.63	-1.776	7.46	-1.393	9.23	-1.208	10.96	-.816
V	3.57	-2.492	5.40	-2.023	7.17	-1.489	8.90	-1.391	10.60	-.863
	3.43	-2.374	5.17	*****	6.88	-1.805	8.57	-1.457	10.24	-.858
F	3.29	-2.063	4.94	*****	6.59	-2.206	8.23	-1.380	9.88	-.866
	3.10	-.924	4.70	*****	6.30	-2.006	7.99	-1.525	9.58	-.904
	2.90	-.369	4.50	*****	6.10	-1.571	7.79	-1.610	9.38	-.995
W	2.70	-.334	4.30	*****	5.90	-1.238	7.59	-1.585	9.18	-1.159
	2.50	-.330	4.10	-.408	5.70	-.942	7.39	-1.481	8.98	-1.297
	2.30	-.446	3.90	-.336	5.50	-.677	7.19	-1.360	8.78	-1.378
I	2.10	-.353	3.70	*****	5.30	-.484	6.99	-1.162	8.58	-1.366
			3.50	-.316	5.10	-.352	6.78	-.944	8.38	-1.331
			3.00	-.342	4.50	-.275	6.38	-.607	7.98	-1.058
N			2.50	-.331	3.50	-.255	5.98	-.374	7.38	-.620
			2.00	-.359	2.50	-.245	5.50	-.299	6.50	-.405
							4.50	-.273	5.50	-.355
G							3.50	-.257	4.50	-.352
							2.50	-.251	3.50	-.355
									2.50	-.345

TRAILING-EDGE FLAP

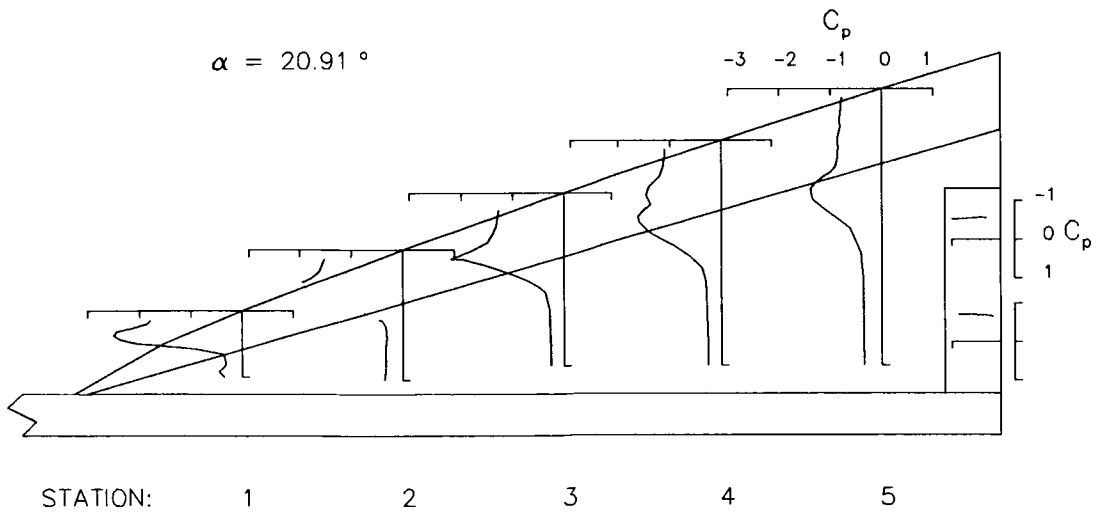
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.523
46.09	-.700	46.09	-.532
46.34	-.710	46.34	-.542
46.59	-.703	46.59	-.556
46.84	-.694	46.84	-.569
47.09	-.685	47.09	-.562
47.34	-.653	47.34	*****

Table V. Continued

$$\delta_{\text{LEVf}} = 40.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEVf}} = 40.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

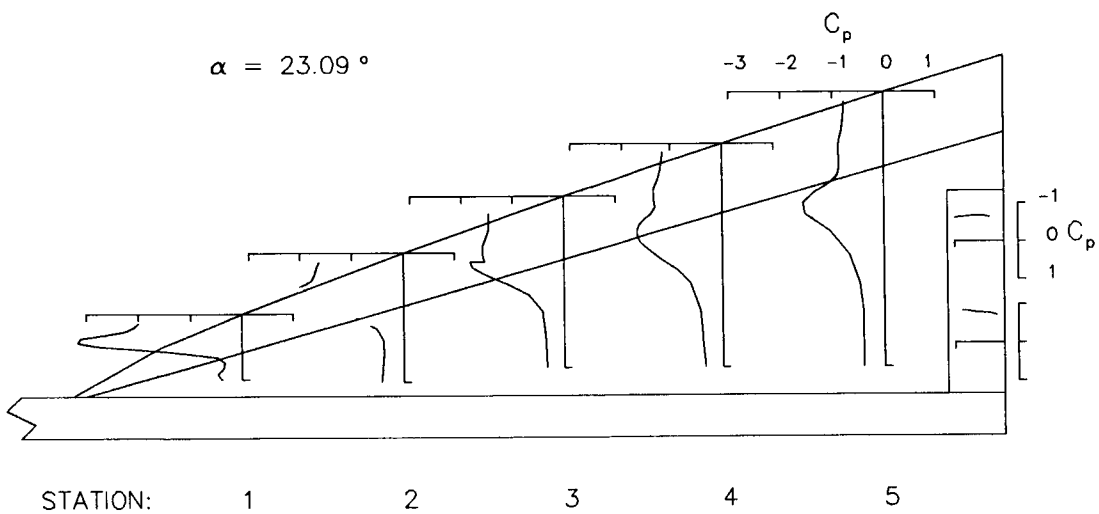
UPPER SURFACE PRESSURE MEASUREMENTS										
LEVFL DEFLECTION= 40 DEG.			TEFL DEFLECTION= 20 DEG.			ANGLE OF ATTACK= 23.087 DEG.				
STATION 1			STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.994	6.32	-1.631	8.34	-1.468	10.23	-1.144	12.04	-.771
	3.99	-2.077	6.09	-1.682	8.05	-1.467	9.90	-1.170	11.68	-.777
E	3.85	-2.228	5.86	-1.720	7.76	-1.473	9.57	-1.196	11.32	-.794
	3.71	-2.636	5.63	-1.786	7.46	-1.525	9.23	-1.247	10.96	-.820
V	3.57	-3.107	5.40	-2.011	7.17	-1.583	8.90	-1.320	10.60	-.873
	3.43	-3.164	5.17	*****	6.88	-1.594	8.57	-1.321	10.24	-.884
F	3.29	-2.752	4.94	*****	6.59	-1.559	8.23	-1.303	9.88	-.869
	3.10	-1.382	4.70	*****	6.30	-1.821	7.99	-1.382	9.58	-.877
	2.90	-.486	4.50	*****	6.10	-1.788	7.79	-1.524	9.38	-.904
W	2.70	-.341	4.30	*****	5.90	-1.606	7.59	-1.622	9.18	-.992
	2.50	-.364	4.10	-.722	5.70	-1.378	7.39	-1.665	8.98	-1.145
	2.30	-.462	3.90	-.523	5.50	-1.109	7.19	-1.651	8.78	-1.333
I	2.10	-.393	3.70	*****	5.30	-.892	6.99	-1.598	8.58	-1.448
			3.50	-.399	5.10	-.692	6.78	-1.467	8.38	-1.555
			3.00	-.387	4.90	-.429	6.38	-1.190	7.98	-1.517
N			2.50	-.402	3.90	-.366	5.98	-.866	7.38	-1.060
			2.00	-.430	2.90	-.346	5.50	-.621	6.50	-.667
							4.90	-.428	5.90	-.470
G							3.90	-.386	4.90	-.417
							2.90	-.340	3.90	-.400
									2.50	-.398

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.618
46.09	-.837	46.09	-.632
46.34	-.823	46.34	-.656
46.59	-.792	46.59	-.668
46.84	-.780	46.84	-.670
47.09	-.765	47.09	-.627
47.34	-.713	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 40.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= -.139 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.112	6.32	.088	8.34	.079	10.23	.075	12.04	.047
	3.99	.097	6.09	.083	8.05	.073	9.90	.067	11.68	.040
E	3.85	.069	5.86	.063	7.76	.065	9.57	.051	11.32	.025
	3.71	.060	5.63	.050	7.46	.047	9.23	.037	10.96	.021
V	3.57	.046	5.40	.037	7.17	*****	8.90	.013	10.60	-.007
	3.43	.032	5.17	.015	6.88	.013	8.57	*****	10.24	-.024
F	3.29	.016	4.94	-.024	6.59	-.022	8.23	-.050	9.88	-.090
	3.10	-.122	4.70	-.194	6.30	-.104	7.99	-.113	9.58	-.150
	2.90	-.045	4.50	-.112	6.10	-.067	7.79	-.080	9.38	-.116
W	2.70	-.026	4.30	-.057	5.90	-.043	7.59	-.063	9.18	-.105
	2.50	-.047	4.10	-.052	5.70	-.037	7.39	-.052	8.98	-.099
	2.30	-.045	3.90	-.050	5.50	-.039	7.19	-.049	8.78	-.103
I	2.10	-.027	3.70	-.072	5.30	-.038	6.99	-.053	8.58	-.103
			3.50	-.054	5.10	-.040	6.78	-.051	8.38	-.107
			3.00	-.061	4.50	-.032	6.38	-.057	7.98	-.107
N			2.50	-.097	3.50	-.016	5.98	-.047	7.38	-.102
			2.00	-.085	2.50	-.008	5.50	-.037	6.50	-.095
							4.50	-.030	5.50	-.097
G							3.50	-.028	4.50	-.099
							2.50	-.017	3.50	-.101
									2.50	-.104

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.242
46.09	-.132	46.09	-.156
46.34	-.071	46.34	-.104
46.59	-.020	46.59	-.055
46.84	.026	46.84	-.017
47.09	*****	47.09	*****
47.34	.117	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 1.918 DEG.

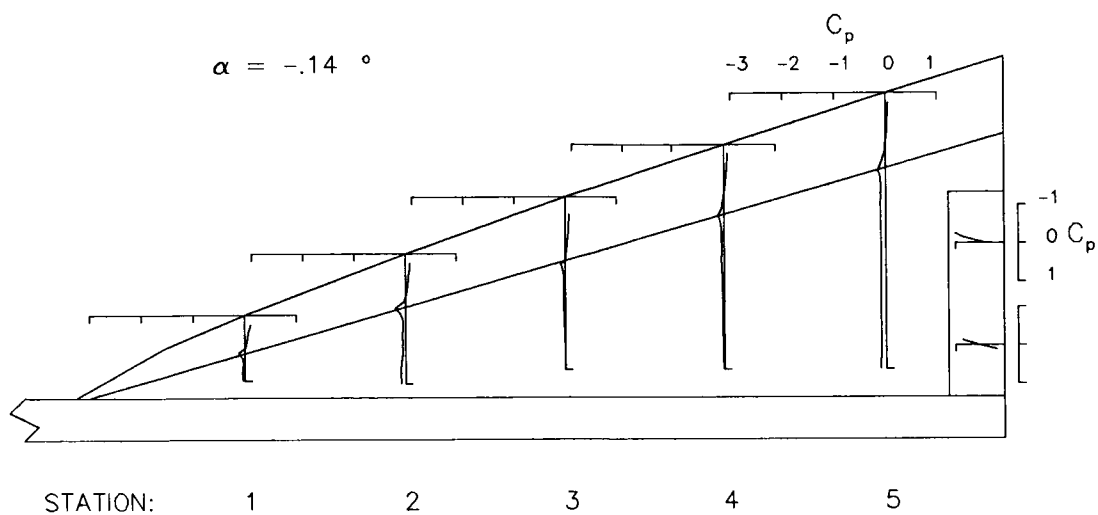
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.068	6.32	.061	8.34	.059	10.23	.053	12.04	.021
	3.99	.070	6.09	.059	8.05	.051	9.90	.043	11.68	.021
E	3.85	.033	5.86	.033	7.76	.035	9.57	.023	11.32	.002
	3.71	.020	5.63	.016	7.46	.013	9.23	.008	10.96	-.006
V	3.57	.004	5.40	-.005	7.17	*****	8.90	-.031	10.60	-.037
	3.43	-.014	5.17	-.028	6.88	-.032	8.57	*****	10.24	-.064
F	3.29	-.036	4.94	-.079	6.59	-.077	8.23	-.100	9.88	-.135
	3.10	-.203	4.70	-.272	6.30	-.174	7.99	-.188	9.58	-.217
	2.90	-.112	4.50	-.173	6.10	-.124	7.79	-.143	9.38	-.166
W	2.70	-.071	4.30	-.100	5.90	-.089	7.59	-.111	9.18	-.142
	2.50	-.083	4.10	-.097	5.70	-.083	7.39	-.097	8.98	-.133
	2.30	-.082	3.90	-.092	5.50	-.078	7.19	-.088	8.78	-.134
I	2.10	-.061	3.70	-.108	5.30	-.072	6.99	-.088	8.58	-.131
			3.50	-.091	5.10	-.075	6.78	-.088	8.38	-.136
			3.00	-.094	4.50	-.064	6.38	-.087	7.98	-.132
N			2.50	-.127	3.50	-.042	5.98	-.072	7.38	-.120
			2.00	-.113	2.50	-.032	5.50	-.061	6.50	-.112
							4.50	-.050	5.50	-.111
G							3.50	-.047	4.50	-.108
							2.50	-.032	3.50	-.109
									2.50	-.112

TRAILING-EDGE FLAP

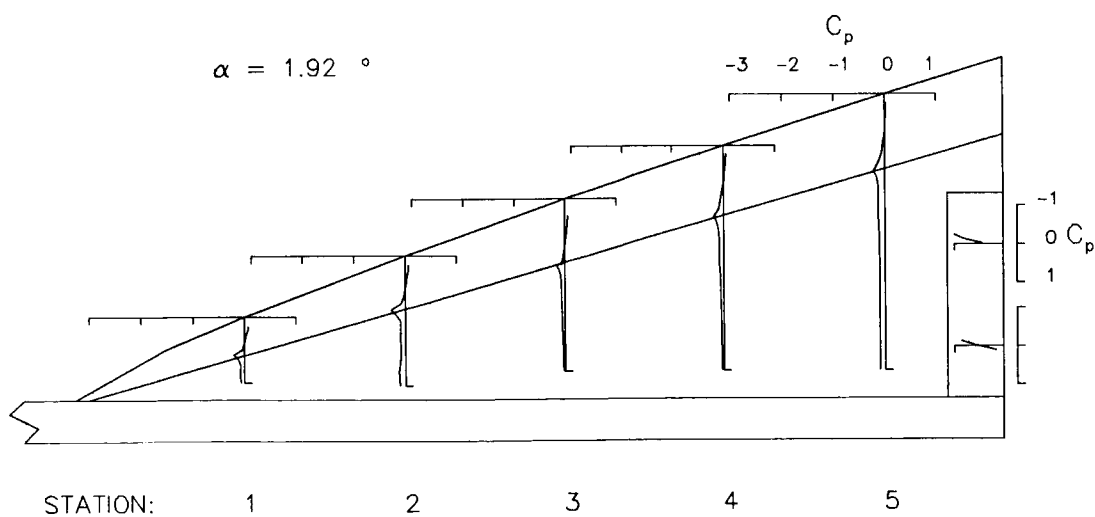
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.241
46.09	-.135	46.09	-.160
46.34	-.076	46.34	-.104
46.59	-.024	46.59	-.061
46.84	.023	46.84	-.022
47.09	*****	47.09	*****
47.34	.111	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 3.893 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.023	6.32	.021	8.34	.023	10.23	.020	12.04	-.007
	3.99	.025	6.09	.015	8.05	.011	9.90	.009	11.68	-.007
E	3.85	-.010	5.86	-.008	7.76	-.005	9.57	-.012	11.32	-.029
	3.71	-.029	5.63	-.028	7.46	-.030	9.23	-.030	10.96	-.038
V	3.57	-.044	5.40	-.052	7.17	*****	8.90	-.078	10.60	-.074
	3.43	-.063	5.17	-.079	6.88	-.080	8.57	*****	10.24	-.106
F	3.29	-.088	4.94	-.139	6.59	-.132	8.23	-.156	9.88	-.190
	3.10	-.265	4.70	-.340	6.30	-.248	7.99	-.272	9.58	-.293
	2.90	-.195	4.50	-.250	6.10	-.202	7.79	-.233	9.38	-.247
W	2.70	-.118	4.30	-.145	5.90	-.135	7.59	-.168	9.18	-.181
	2.50	-.110	4.10	-.140	5.70	-.123	7.39	-.141	8.98	-.173
	2.30	-.137	3.90	-.132	5.50	-.120	7.19	-.127	8.78	-.169
I	2.10	-.092	3.70	-.150	5.30	-.112	6.99	-.125	8.58	-.160
			3.50	-.123	5.10	-.110	6.78	-.121	8.38	-.165
N			3.00	-.124	4.50	-.094	6.38	-.115	7.98	-.158
			2.50	-.161	3.50	-.065	5.98	-.094	7.38	-.138
			2.00	-.138	2.50	-.051	5.50	-.084	6.50	-.128
G							4.50	-.067	5.50	-.123
							3.50	-.063	4.50	-.121
							2.50	-.048	3.50	-.121
									2.50	-.120

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.145
46.34	-.085
46.59	-.036
46.84	.010
47.09	*****
47.34	.101

OUTBOARD

X IN.	CP
45.84	-.251
46.09	-.170
46.34	-.112
46.59	-.067
46.84	-.029
47.09	*****
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 5.925 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.041	6.32	-.052	8.34	-.049	10.23	-.046	12.04	-.060
	3.99	-.027	6.09	-.039	8.05	-.043	9.90	-.045	11.68	-.053
E	3.85	-.066	5.86	-.058	7.76	-.056	9.57	-.066	11.32	-.076
	3.71	-.080	5.63	-.080	7.46	-.079	9.23	-.084	10.96	-.082
V	3.57	-.098	5.40	-.107	7.17	*****	8.90	-.129	10.60	-.117
	3.43	-.122	5.17	-.133	6.88	-.138	8.57	*****	10.24	-.150
F	3.29	-.150	4.94	-.196	6.59	-.195	8.23	-.209	9.88	-.243
	3.10	-.313	4.70	-.393	6.30	-.306	7.99	-.332	9.58	-.344
	2.90	-.264	4.50	-.313	6.10	-.371	7.79	-.312	9.38	-.365
W	2.70	-.171	4.30	-.214	5.90	-.224	7.59	-.266	9.18	-.252
	2.50	-.152	4.10	-.211	5.70	-.189	7.39	-.262	8.98	-.245
	2.30	-.204	3.90	-.197	5.50	-.155	7.19	-.171	8.78	-.194
I	2.10	-.116	3.70	-.232	5.30	-.143	6.99	-.162	8.58	-.187
			3.50	-.158	5.10	-.143	6.78	-.159	8.38	-.199
N			3.00	-.152	4.50	-.127	6.38	-.146	7.98	-.207
			2.50	-.201	3.50	-.091	5.98	-.128	7.38	-.152
			2.00	-.164	2.50	-.072	5.50	-.108	6.50	-.151
G							4.50	-.093	5.50	-.137
							3.50	-.078	4.50	-.134
							2.50	-.062	3.50	-.127
									2.50	-.122

TRAILING-EDGE FLAP

INBOARD

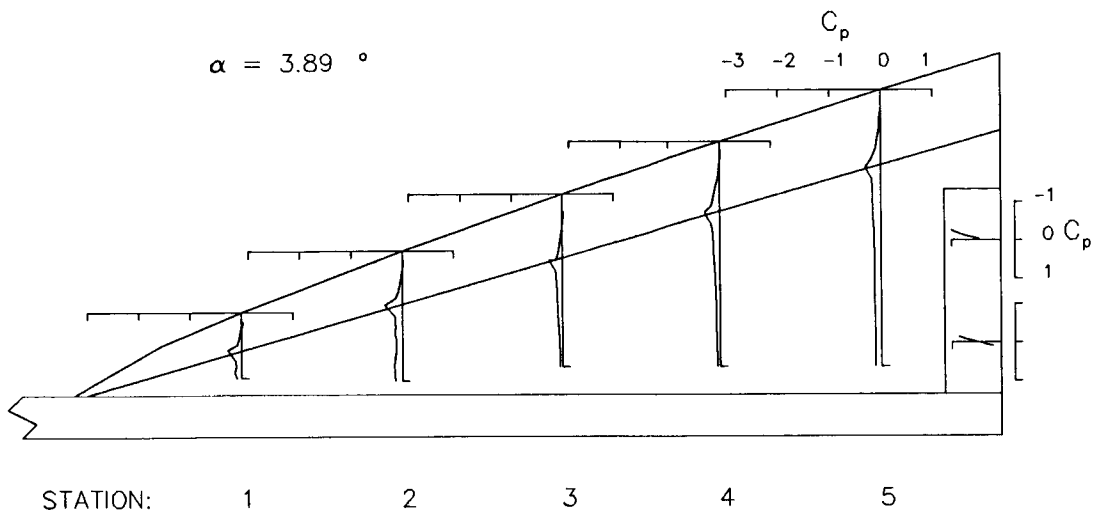
X IN.	CP
45.84	*****
46.09	-.148
46.34	-.091
46.59	-.042
46.84	.003
47.09	*****
47.34	.092

OUTBOARD

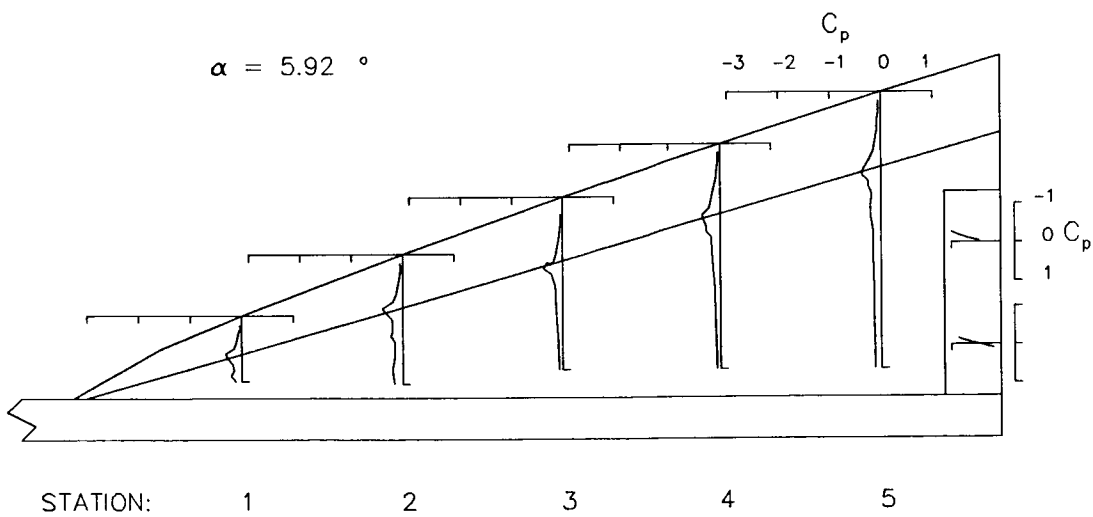
X IN.	CP
45.84	-.268
46.09	-.182
46.34	-.125
46.59	-.078
46.84	-.036
47.09	*****
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 45 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 7.990 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.107	6.32	-.251	8.34	-.284	10.23	-.241	12.04	-.182
	3.99	-.111	6.09	-.096	8.05	-.173	9.90	-.161	11.68	-.154
E	3.85	-.130	5.86	-.113	7.76	-.102	9.57	-.122	11.32	-.136
	3.71	-.142	5.63	-.135	7.46	-.122	9.23	-.120	10.96	-.116
V	3.57	-.159	5.40	-.164	7.17	*****	8.90	-.164	10.60	-.148
	3.43	-.180	5.17	-.186	6.88	-.181	8.57	*****	10.24	-.177
F	3.29	-.206	4.94	-.247	6.59	-.232	8.23	-.239	9.88	-.261
	3.10	-.365	4.70	-.450	6.30	-.312	7.99	-.324	9.58	-.296
	2.90	-.335	4.50	-.326	6.10	-.349	7.79	-.326	9.38	-.351
W	2.70	-.254	4.30	-.363	5.90	-.355	7.59	-.302	9.18	-.342
	2.50	-.206	4.10	-.298	5.70	-.353	7.39	-.338	8.98	-.315
	2.30	-.316	3.90	-.298	5.50	-.265	7.19	-.343	8.78	-.257
I	2.10	-.185	3.70	-.339	5.30	-.226	6.99	-.292	8.58	-.250
			3.50	-.262	5.10	-.231	6.78	-.231	8.38	-.270
			3.00	-.201	4.50	-.200	6.38	-.218	7.98	-.309
N			2.50	-.233	3.50	-.117	5.98	-.222	7.38	-.236
			2.00	-.189	2.50	-.081	5.50	-.162	6.50	-.191
							4.50	-.120	5.50	-.159
G							3.50	-.091	4.50	-.136
							2.50	-.070	3.50	-.132
									2.50	-.130

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.291
46.09	-.193	46.09	-.196
46.34	-.135	46.34	-.131
46.59	-.084	46.59	-.083
46.84	-.034	46.84	-.041
47.09	*****	47.09	*****
47.34	.067	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= 45 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 9.941 DEG.

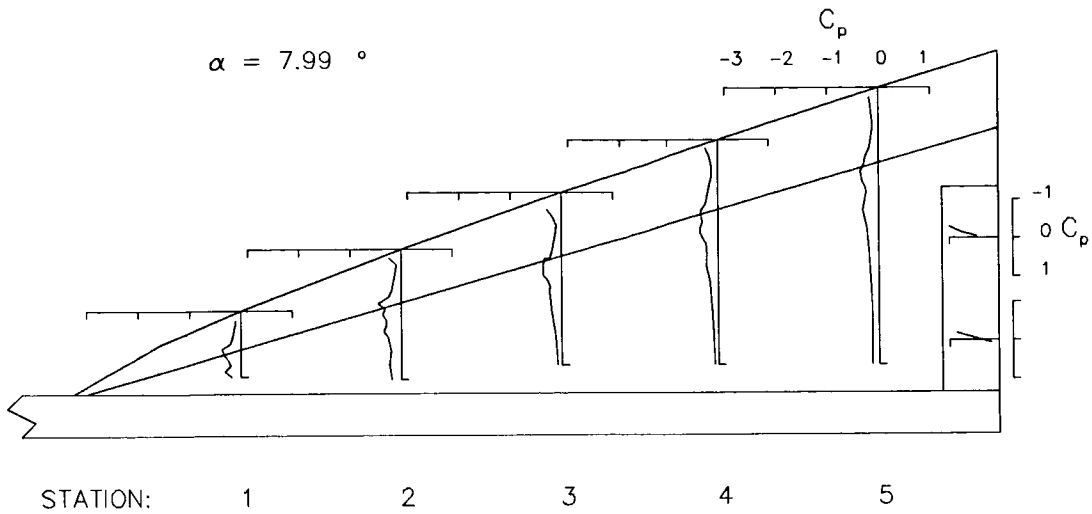
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.456	6.32	-.450	8.34	-.439	10.23	-.398	12.04	-.324
	3.99	-.428	6.09	-.503	8.05	-.430	9.90	-.415	11.68	-.341
E	3.85	-.323	5.86	-.476	7.76	-.441	9.57	-.433	11.32	-.356
	3.71	-.202	5.63	-.190	7.46	-.348	9.23	-.367	10.96	-.342
V	3.57	-.183	5.40	-.146	7.17	*****	8.90	-.162	10.60	-.263
	3.43	-.206	5.17	-.196	6.88	-.176	8.57	*****	10.24	-.202
F	3.29	-.242	4.94	-.278	6.59	-.241	8.23	-.252	9.88	-.268
	3.10	-.415	4.70	-.501	6.30	-.349	7.99	-.352	9.58	-.323
	2.90	-.386	4.50	-.373	6.10	-.382	7.79	-.344	9.38	-.327
W	2.70	-.297	4.30	-.402	5.90	-.343	7.59	-.300	9.18	-.293
	2.50	-.248	4.10	-.341	5.70	-.343	7.39	-.297	8.98	-.276
	2.30	-.407	3.90	-.336	5.50	-.296	7.19	-.290	8.78	-.263
I	2.10	-.251	3.70	-.374	5.30	-.265	6.99	-.284	8.58	-.257
			3.50	-.333	5.10	-.265	6.78	-.266	8.38	-.264
			3.00	-.271	4.50	-.263	6.38	-.254	7.98	-.263
N			2.50	-.261	3.50	-.173	5.98	-.261	7.38	-.268
			2.00	-.208	2.50	-.090	5.50	-.237	6.50	-.271
							4.50	-.172	5.50	-.206
G							3.50	-.097	4.50	-.139
							2.50	-.077	3.50	-.125
									2.50	-.133

TRAILING-EDGE FLAP

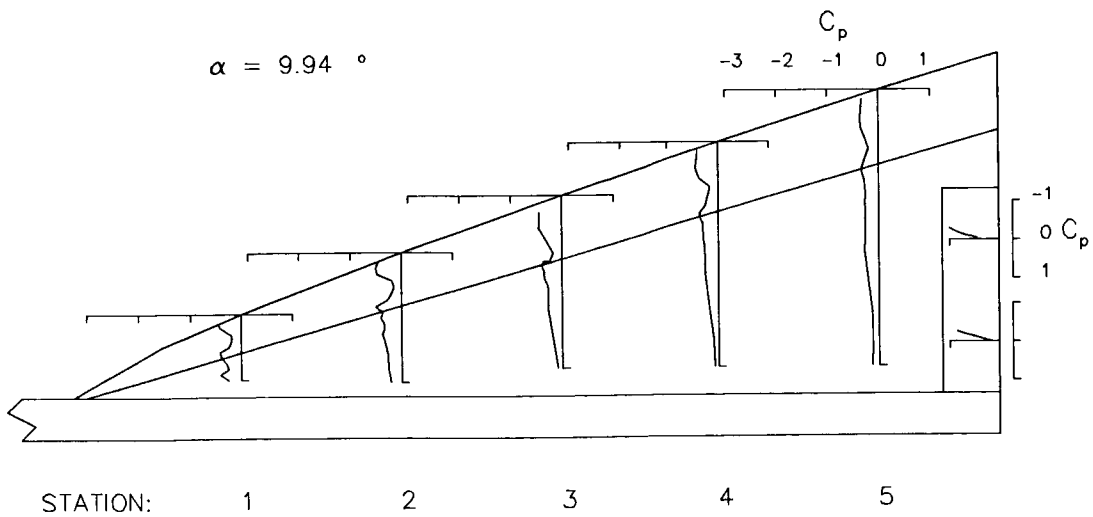
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.295
46.09	-.266	46.09	-.196
46.34	-.208	46.34	-.130
46.59	-.155	46.59	-.081
46.84	-.107	46.84	-.037
47.09	*****	47.09	*****
47.34	.008	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 45.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEVF}} = 45.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 10.974 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.559	6.32	-.555	8.34	-.543	10.23	-.498	12.04	-.406
	3.99	-.585	6.09	-.587	8.05	-.552	9.90	-.513	11.68	-.433
E	3.85	-.533	5.86	-.611	7.76	-.551	9.57	-.544	11.32	-.448
	3.71	-.393	5.63	-.466	7.46	-.547	9.23	-.536	10.96	-.465
V	3.57	-.247	5.40	-.270	7.17	*****	8.90	-.245	10.60	-.429
	3.43	-.217	5.17	-.184	6.88	-.223	8.57	*****	10.24	-.305
F	3.29	-.242	4.94	-.276	6.59	-.241	8.23	-.258	9.88	-.295
	3.10	-.449	4.70	-.524	6.30	-.391	7.99	-.383	9.58	-.352
	2.90	-.402	4.50	-.406	6.10	-.380	7.79	-.346	9.38	-.309
W	2.70	-.317	4.30	-.381	5.90	-.301	7.59	-.287	9.18	-.276
	2.50	-.246	4.10	-.333	5.70	-.297	7.39	-.270	8.98	-.263
	2.30	-.368	3.90	-.322	5.50	-.277	7.19	-.260	8.78	-.259
I	2.10	-.313	3.70	-.360	5.30	-.259	6.99	-.259	8.58	-.252
			3.50	-.315	5.10	-.250	6.78	-.247	8.38	-.248
			3.00	-.292	4.50	-.248	6.38	-.232	7.98	-.236
N			2.50	-.303	3.50	-.207	5.98	-.224	7.38	-.227
			2.00	-.220	2.50	-.097	5.50	-.224	6.90	-.249
							4.50	-.208	5.50	-.237
G							3.50	-.118	4.50	-.171
							2.50	-.078	3.50	-.123
									2.50	-.131

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.296
46.09	-.217	46.09	-.193
46.34	-.167	46.34	-.130
46.59	-.117	46.59	-.078
46.84	-.075	46.84	-.036
47.09	*****	47.09	*****
47.34	.023	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 12.047 DEG.

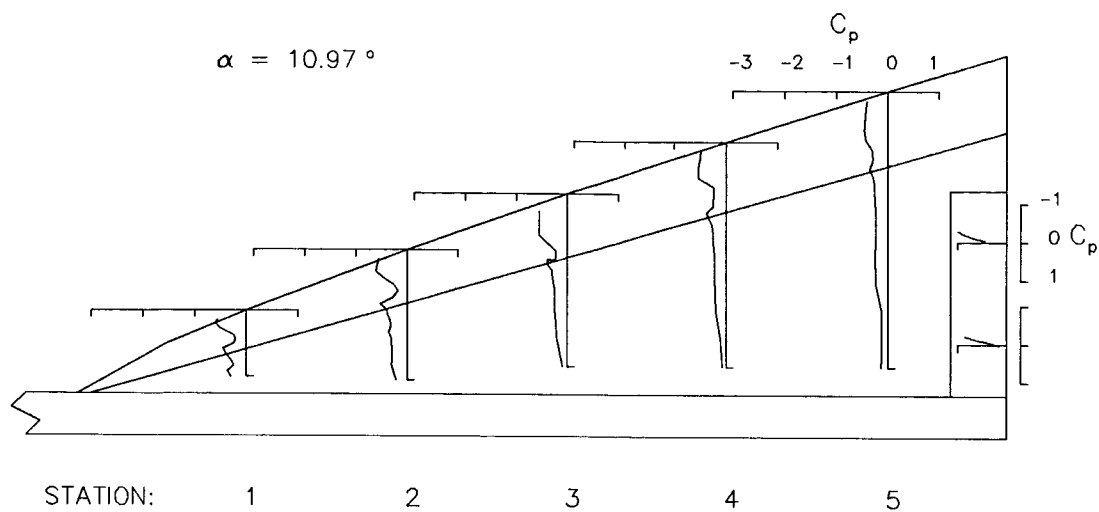
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.686	6.32	-.671	8.34	-.668	10.23	-.616	12.04	-.482
	3.99	-.704	6.09	-.694	8.05	-.665	9.90	-.626	11.68	-.516
E	3.85	-.728	5.86	-.768	7.76	-.692	9.57	-.655	11.32	-.543
	3.71	-.651	5.63	-.734	7.46	-.716	9.23	-.675	10.96	-.558
V	3.57	-.466	5.40	-.512	7.17	*****	8.90	-.410	10.60	-.568
	3.43	-.300	5.17	-.263	6.88	-.411	8.57	*****	10.24	-.444
F	3.29	-.249	4.94	-.267	6.59	-.266	8.23	-.308	9.88	-.366
	3.10	-.492	4.70	-.590	6.30	-.419	7.99	-.376	9.58	-.345
	2.90	-.399	4.50	-.439	6.10	-.351	7.79	-.330	9.38	-.317
W	2.70	-.328	4.30	-.333	5.90	-.291	7.59	-.295	9.18	-.293
	2.50	-.245	4.10	-.317	5.70	-.273	7.39	-.279	8.98	-.279
	2.30	-.322	3.90	-.304	5.50	-.263	7.19	-.261	8.78	-.271
I	2.10	-.351	3.70	-.331	5.30	-.250	6.99	-.254	8.58	-.257
			3.50	-.309	5.10	-.242	6.78	-.238	8.38	-.252
			3.00	-.278	4.50	-.223	6.38	-.221	7.98	-.231
N			2.50	-.349	3.50	-.225	5.98	-.208	7.38	-.222
			2.00	-.241	2.50	-.119	5.50	-.199	6.90	-.221
							4.50	-.209	5.50	-.233
G							3.50	-.155	4.50	-.208
							2.50	-.080	3.50	-.129
									2.50	-.129

TRAILING-EDGE FLAP

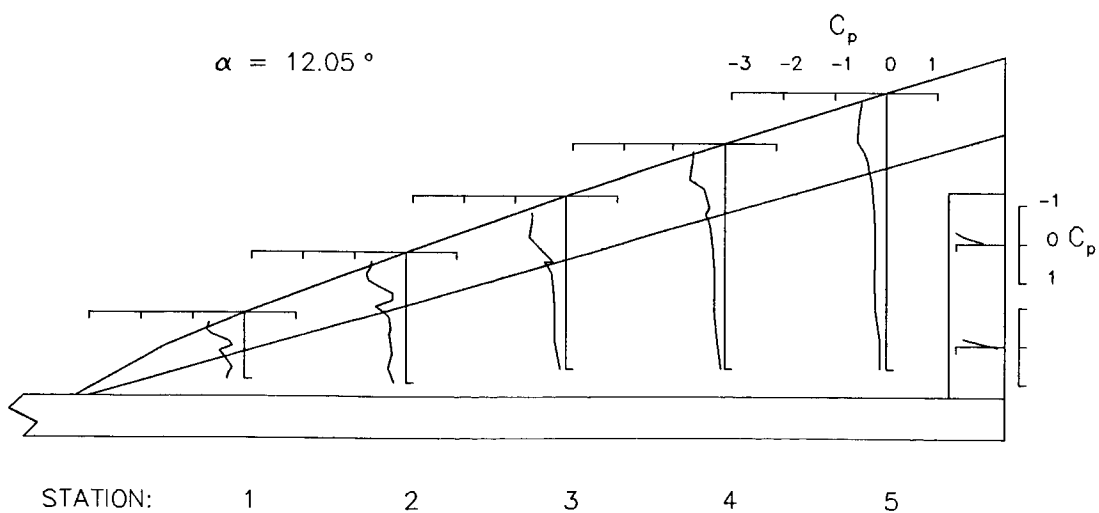
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.294
46.09	-.193	46.09	-.194
46.34	-.139	46.34	-.127
46.59	-.090	46.59	-.078
46.84	-.046	46.84	-.033
47.09	*****	47.09	*****
47.34	.039	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 45.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEVF}} = 45.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 13.094 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.802	6.32	-.799	8.34	-.775	10.23	-.711	12.04	-.550
	3.99	-.832	6.09	-.823	8.05	-.788	9.90	-.727	11.68	-.583
E	3.85	-.864	5.86	-.890	7.76	-.802	9.57	-.760	11.32	-.610
	3.71	-.842	5.63	-.907	7.46	-.854	9.23	-.801	10.96	-.633
V	3.57	-.684	5.40	-.763	7.17	*****	8.90	-.599	10.60	-.667
	3.43	-.477	5.17	-.460	6.88	-.612	8.57	*****	10.24	-.598
F	3.29	-.295	4.94	-.275	6.59	-.340	8.23	-.423	9.88	-.491
	3.10	-.521	4.70	-.632	6.30	-.421	7.99	-.354	9.58	-.352
	2.90	-.381	4.50	-.408	6.10	-.347	7.79	-.329	9.38	-.334
W	2.70	-.336	4.30	-.339	5.90	-.304	7.59	-.306	9.18	-.309
	2.50	-.259	4.10	-.319	5.70	-.284	7.39	-.286	8.98	-.296
	2.30	-.318	3.90	-.298	5.50	-.266	7.19	-.270	8.78	-.287
I	2.10	-.340	3.70	-.317	5.30	-.251	6.99	-.267	8.58	-.271
			3.50	-.291	5.10	-.240	6.78	-.252	8.38	-.264
			3.00	-.279	4.50	-.214	6.38	-.220	7.98	-.235
N			2.50	-.364	3.50	-.205	5.98	-.205	7.38	-.216
			2.00	-.264	2.50	-.155	5.50	-.189	6.50	-.217
							4.50	-.183	5.50	-.209
G							3.50	-.187	4.50	-.224
							2.50	-.090	3.50	-.158
									2.50	-.128

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.295
46.09	-.185	46.09	-.197
46.34	-.133	46.34	-.130
46.59	-.089	46.59	-.080
46.84	-.044	46.84	-.033
47.09	*****	47.09	*****
47.34	.041	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 14.054 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.924	6.32	-.918	8.34	-.881	10.23	-.808	12.04	-.584
	3.99	-.965	6.09	-.933	8.05	-.895	9.90	-.813	11.68	-.615
E	3.85	-1.015	5.86	-1.019	7.76	-.926	9.57	-.855	11.32	-.640
	3.71	-1.028	5.63	-1.064	7.46	-.992	9.23	-.915	10.96	-.682
V	3.57	-.910	5.40	-.966	7.17	*****	8.90	-.778	10.60	-.717
	3.43	-.692	5.17	-.673	6.88	-.780	8.57	*****	10.24	-.687
F	3.29	-.398	4.94	-.341	6.59	-.459	8.23	-.587	9.88	-.615
	3.10	-.531	4.70	-.633	6.30	-.406	7.99	-.354	9.58	-.429
	2.90	-.372	4.50	-.413	6.10	-.353	7.79	-.328	9.38	-.392
W	2.70	-.332	4.30	-.349	5.90	-.309	7.59	-.311	9.18	-.369
	2.50	-.258	4.10	-.324	5.70	-.290	7.39	-.294	8.98	-.350
	2.30	-.313	3.90	-.303	5.50	-.273	7.19	-.288	8.78	-.326
I	2.10	-.308	3.70	-.317	5.30	-.257	6.99	-.280	8.58	-.296
			3.50	-.290	5.10	-.246	6.78	-.258	8.38	-.282
			3.00	-.281	4.50	-.215	6.38	-.228	7.98	-.243
N			2.50	-.349	3.50	-.190	5.98	-.205	7.38	-.221
			2.00	-.285	2.50	-.180	5.50	-.192	6.50	-.212
							4.50	-.173	5.50	-.196
G							3.50	-.191	4.50	-.218
							2.50	-.102	3.50	-.177
									2.50	-.131

TRAILING-EDGE FLAP

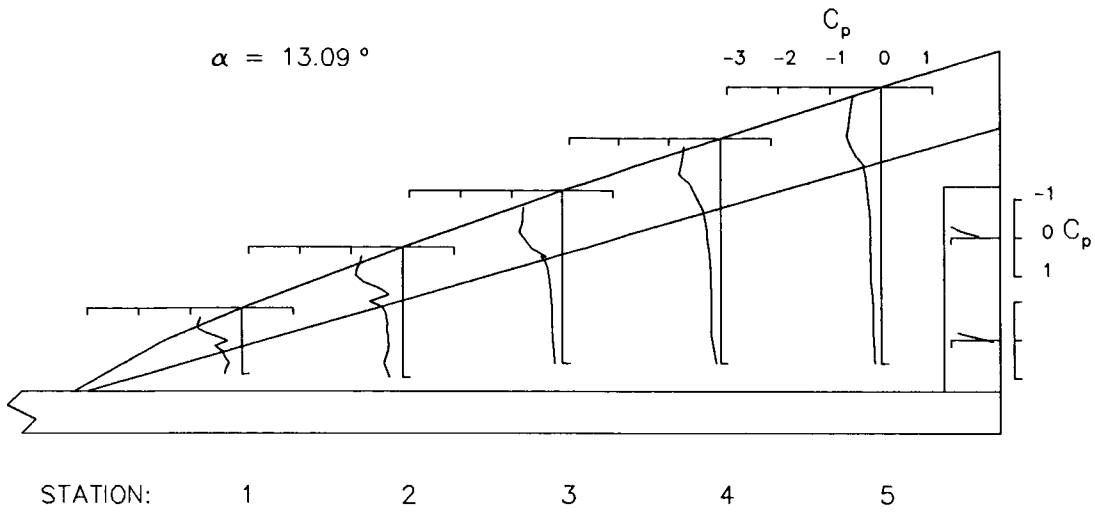
INBOARD

OUTBOARD

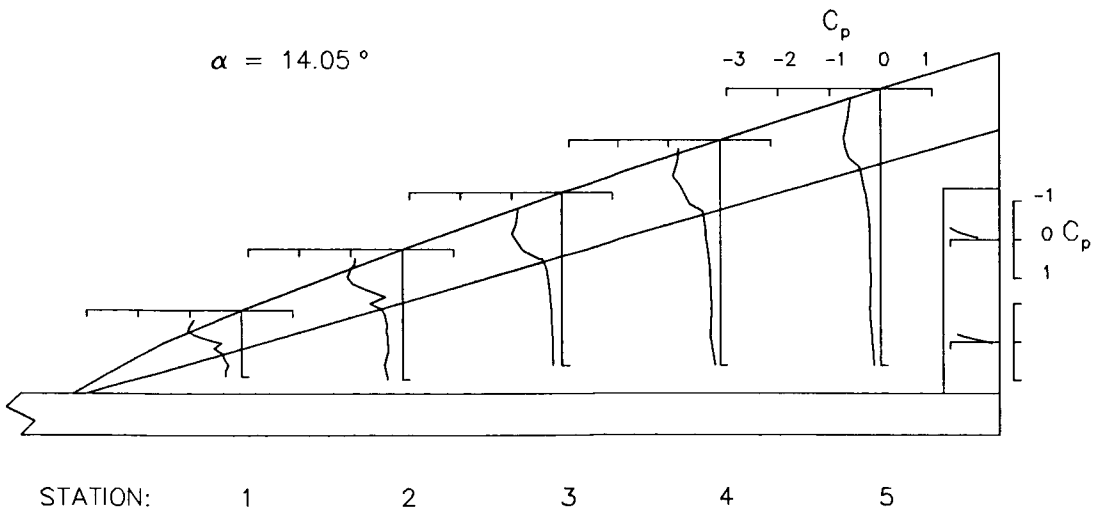
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.308
46.09	-.196	46.09	-.207
46.34	-.141	46.34	-.146
46.59	-.094	46.59	-.093
46.84	-.050	46.84	-.046
47.09	*****	47.09	*****
47.34	.029	47.34	*****

Table V. Continued

$$\delta_{\text{LEVf}} = 45.0^\circ \quad \delta_{\text{TEf}} = 0.0^\circ$$



$$\delta_{\text{LEVf}} = 45.0^\circ \quad \delta_{\text{TEf}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 15.069 DEG.

STATION 1			STATION 2			STATION 3			STATION 4			STATION 5		
	Y IN.	CP		Y IN.	CP		Y IN.	CP		Y IN.	CP		Y IN.	CP
L	4.13	-1.040		6.32	-1.024		8.34	-.976		10.23	-.877		12.04	-.613
	3.99	-1.110		6.09	-1.058		8.05	-1.012		9.90	-.897		11.68	-.638
E	3.85	-1.168		5.86	-1.156		7.76	-1.042		9.57	-.945		11.32	-.650
	3.71	-1.210		5.63	-1.217		7.46	-1.129		9.23	-1.011		10.96	-.694
V	3.57	-1.136		5.40	-1.164		7.17	*****		8.90	-.942		10.60	-.743
	3.43	-.927		5.17	-.933		6.88	-.974		8.57	*****		10.24	-.739
F	3.29	-.585		4.94	-.510		6.59	-.647		8.23	-.780		9.88	-.765
	3.10	-.502		4.70	-.598		6.30	-.401		7.99	-.425		9.58	-.580
	2.90	-.363		4.50	-.424		6.10	-.346		7.79	-.381		9.38	-.571
W	2.70	-.327		4.30	-.353		5.90	-.312		7.59	-.341		9.18	-.496
	2.50	-.264		4.10	-.334		5.70	-.294		7.39	-.312		8.98	-.467
	2.30	-.317		3.90	-.312		5.50	-.286		7.19	-.304		8.78	-.426
I	2.10	-.293		3.70	-.327		5.30	-.264		6.99	-.295		8.58	-.355
				3.50	-.293		5.10	-.257		6.78	-.269		8.38	-.331
				3.00	-.284		4.50	-.217		6.38	-.236		7.98	-.250
N				2.50	-.333		3.50	-.194		5.98	-.208		7.38	-.216
				2.00	-.308		2.50	-.193		5.50	-.191		6.50	-.206
G										4.50	-.174		5.50	-.187
										3.50	-.186		4.50	-.211
										2.50	-.122		3.50	-.191
													2.50	-.146

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.323
46.09	-.199	46.09	-.228
46.34	-.145	46.34	-.163
46.59	-.099	46.59	-.115
46.84	-.060	46.84	-.072
47.09	*****	47.09	*****
47.34	.019	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 16.001 DEG.

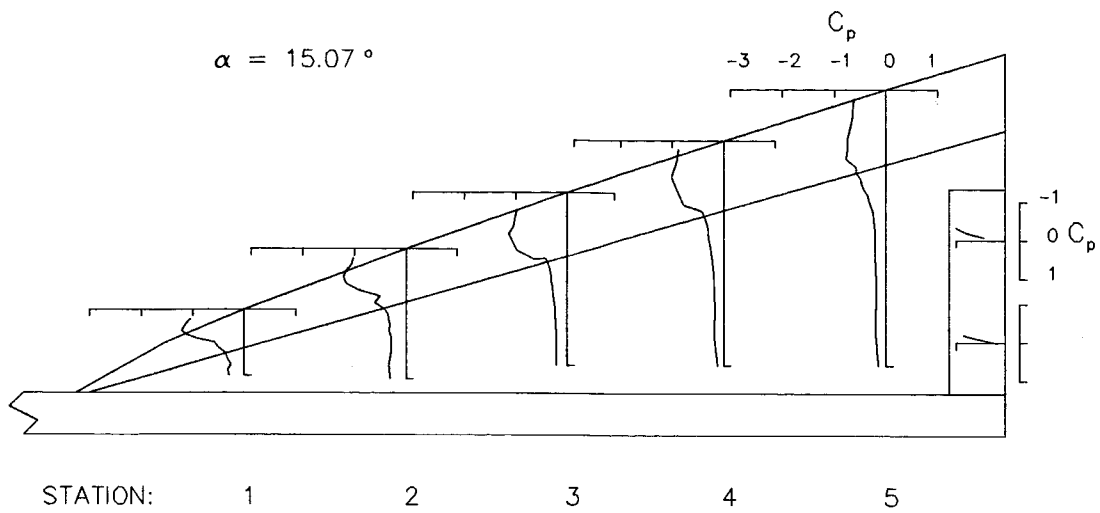
STATION 1			STATION 2			STATION 3			STATION 4			STATION 5		
	Y IN.	CP		Y IN.	CP		Y IN.	CP		Y IN.	CP		Y IN.	CP
L	4.13	-1.166		6.32	-1.133		8.34	-1.071		10.23	-.919		12.04	-.618
	3.99	-1.218		6.09	-1.157		8.05	-1.096		9.90	-.933		11.68	-.630
E	3.85	-1.317		5.86	-1.279		7.76	-1.140		9.57	-.983		11.32	-.633
	3.71	-1.378		5.63	-1.362		7.46	-1.250		9.23	-1.049		10.96	-.667
V	3.57	-1.334		5.40	-1.336		7.17	*****		8.90	-1.050		10.60	-.731
	3.43	-1.144		5.17	-1.137		6.88	-1.156		8.57	*****		10.24	-.751
F	3.29	-.788		4.94	-.720		6.59	-.836		8.23	-.977		9.88	-.838
	3.10	-.456		4.70	-.558		6.30	-.425		7.99	-.623		9.58	-.779
	2.90	-.361		4.50	-.421		6.10	-.356		7.79	-.496		9.38	-.750
W	2.70	-.329		4.30	-.356		5.90	-.323		7.59	-.430		9.18	-.721
	2.50	-.270		4.10	-.337		5.70	-.301		7.39	-.368		8.98	-.672
	2.30	-.318		3.90	-.318		5.50	-.284		7.19	-.336		8.78	-.604
I	2.10	-.300		3.70	-.329		5.30	-.271		6.99	-.308		8.58	-.495
				3.50	-.294		5.10	-.261		6.78	-.275		8.38	-.401
				3.00	-.285		4.50	-.224		6.38	-.233		7.98	-.260
N				2.50	-.325		3.50	-.191		5.98	-.206		7.38	-.209
				2.00	-.317		2.50	-.197		5.50	-.184		6.50	-.191
G										4.50	-.171		5.50	-.182
										3.50	-.179		4.50	-.194
										2.50	-.133		3.50	-.195
													2.50	-.151

TRAILING-EDGE FLAP

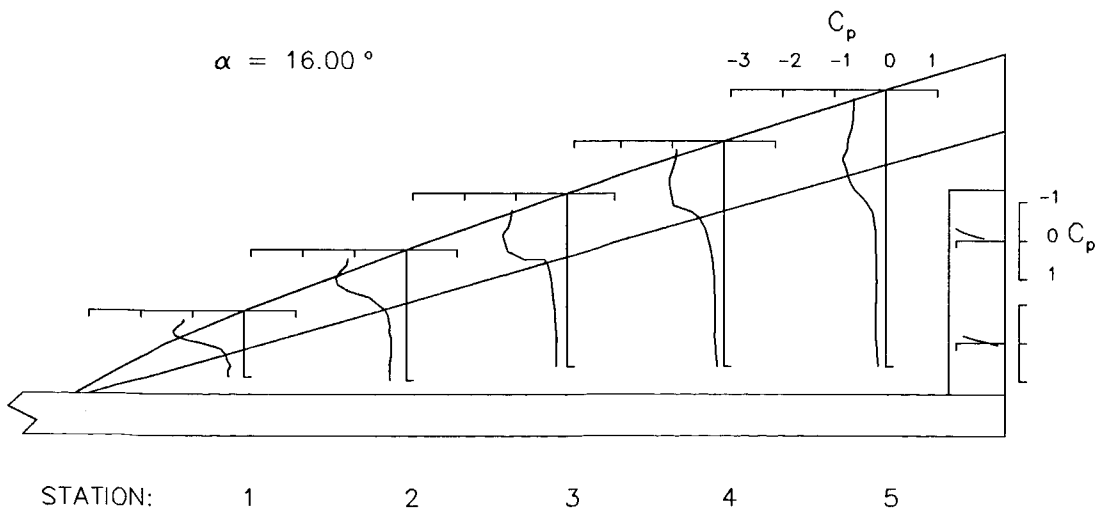
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.314
46.09	-.183	46.09	-.217
46.34	-.125	46.34	-.154
46.59	-.076	46.59	-.101
46.84	-.032	46.84	-.053
47.09	*****	47.09	*****
47.34	.059	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 18.555 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.487	6.32	-1.363	8.34	-1.221	10.23	-.986	12.04	-.677
	3.99	-1.558	6.09	-1.413	8.05	-1.246	9.90	-1.009	11.68	-.684
E	3.85	-1.735	5.86	-1.508	7.76	-1.268	9.57	-1.028	11.32	-.698
	3.71	-1.853	5.63	-1.659	7.46	-1.349	9.23	-1.056	10.96	-.703
V	3.57	-1.827	5.40	-1.710	7.17	*****	8.90	-1.172	10.60	-.735
	3.43	-1.691	5.17	-1.668	6.88	-1.480	8.57	*****	10.24	-.842
F	3.29	-1.329	4.94	-1.422	6.59	-1.481	8.23	-1.518	9.88	-.874
	3.10	-.368	4.70	-.750	6.30	-1.227	7.99	-1.452	9.58	-.976
	2.90	-.336	4.50	-.448	6.10	-.768	7.79	-1.295	9.38	-1.134
W	2.70	-.326	4.30	-.355	5.90	-.602	7.59	-1.166	9.18	-1.185
	2.50	-.276	4.10	-.333	5.70	-.420	7.39	-.989	8.98	-1.167
	2.30	-.326	3.90	-.314	5.50	-.306	7.19	-.746	8.78	-1.091
I	2.10	-.305	3.70	-.343	5.30	-.252	6.99	-.556	8.58	-.957
			3.50	-.302	5.10	-.236	6.78	-.340	8.38	-.787
			3.00	-.287	4.50	-.223	6.38	-1.175	7.98	-.414
N			2.50	-.317	3.50	-.195	5.98	-.175	7.38	-.191
			2.00	-.338	2.50	-.200	5.50	-.169	6.50	-.173
							4.50	-.164	5.50	-.178
G							3.50	-.167	4.50	-.184
							2.50	-.158	3.50	-.203
									2.50	-.165

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.315
46.09	-.236	46.09	-.216
46.34	-.171	46.34	-.153
46.59	-.115	46.59	-.103
46.84	-.055	46.84	-.053
47.09	*****	47.09	*****
47.34	.071	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 20.687 DEG.

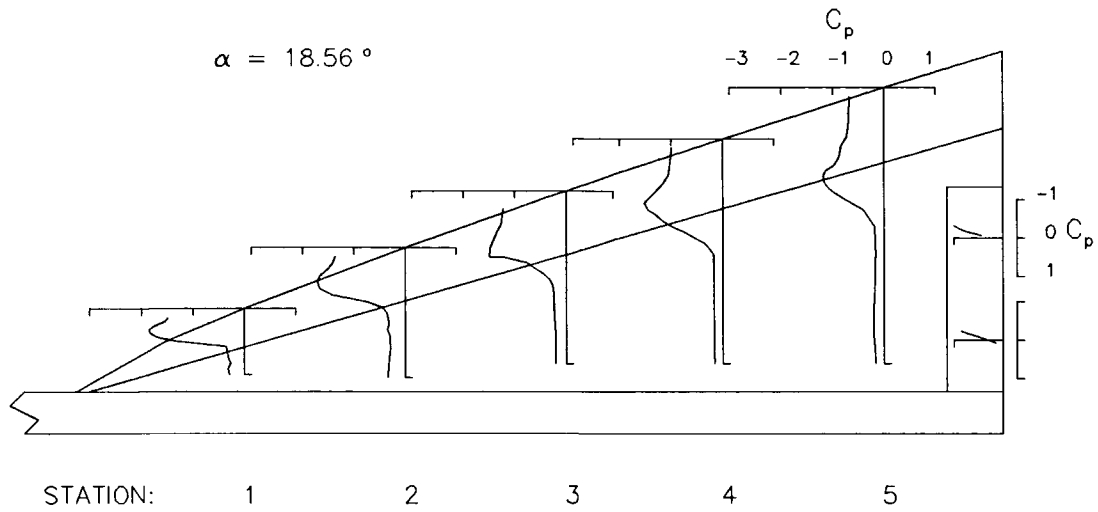
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.705	6.32	-1.496	8.34	-1.258	10.23	-1.010	12.04	-.639
	3.99	-1.802	6.09	-1.531	8.05	-1.289	9.90	-1.017	11.68	-.638
E	3.85	-2.018	5.86	-1.587	7.76	-1.304	9.57	-1.047	11.32	-.664
	3.71	-2.173	5.63	-1.733	7.46	-1.349	9.23	-1.055	10.96	-.665
V	3.57	-2.186	5.40	-1.840	7.17	*****	8.90	-1.300	10.60	-.681
	3.43	-2.073	5.17	-1.904	6.88	-1.614	8.57	*****	10.24	-.694
F	3.29	-1.805	4.94	-1.906	6.59	-1.919	8.23	-1.318	9.88	-.716
	3.10	-.525	4.70	-1.719	6.30	-1.996	7.99	-1.428	9.58	-.734
	2.90	-.350	4.50	-.896	6.10	-1.387	7.79	-1.524	9.38	-.787
W	2.70	-.355	4.30	-.501	5.90	-1.165	7.59	-1.522	9.18	-.953
	2.50	-.306	4.10	-.328	5.70	-.866	7.39	-1.440	8.98	-1.107
	2.30	-.351	3.90	-.287	5.50	-.585	7.19	-1.289	8.78	-1.232
I	2.10	-.326	3.70	-.333	5.30	-.386	6.99	-1.079	8.58	-1.218
			3.50	-.296	5.10	-.260	6.78	-.805	8.38	-1.181
			3.00	-.293	4.50	-.233	6.38	-.447	7.98	-.890
N			2.50	-.335	3.50	-.210	5.98	-.255	7.38	-.444
			2.00	-.348	2.50	-.211	5.50	-.213	6.50	-.278
							4.50	-.190	5.50	-.233
G							3.50	-.187	4.50	-.224
							2.50	-.192	3.50	-.231
									2.50	-.215

TRAILING-EDGE FLAP

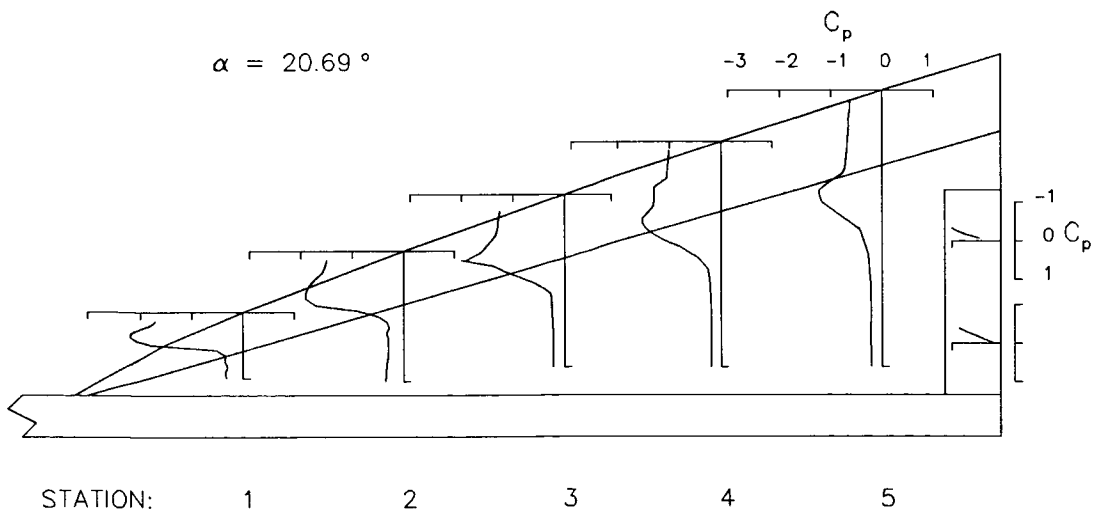
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.334
46.09	-.386	46.09	-.235
46.34	-.305	46.34	-.168
46.59	-.231	46.59	-.117
46.84	-.156	46.84	-.059
47.09	*****	47.09	*****
47.34	.001	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEVF DEFLECTION= 45 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 22.639 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.887	6.32	-1.592	8.34	-1.323	10.23	-1.020	12.04	-.605
	3.99	-1.993	6.09	-1.622	8.05	-1.339	9.90	-1.043	11.68	-.616
E	3.85	-2.198	5.86	-1.667	7.76	-1.344	9.57	-1.051	11.32	-.619
	3.71	-2.413	5.63	-1.788	7.46	-1.382	9.23	-1.074	10.96	-.632
V	3.57	-2.493	5.40	-1.916	7.17	*****	8.90	-1.124	10.60	-.654
	3.43	-2.448	5.17	-2.020	6.88	-1.839	8.57	*****	10.24	-.674
F	3.29	-2.254	4.94	-2.324	6.59	-1.802	8.23	-1.129	9.88	-.687
	3.10	-1.173	4.70	-2.374	6.30	-2.135	7.99	-1.163	9.58	-.692
	2.90	-.454	4.50	-1.347	6.10	-1.726	7.79	-1.339	9.38	-.706
W	2.70	-.359	4.30	-.914	5.90	-1.542	7.59	-1.501	9.18	-.732
	2.50	-.338	4.10	-.570	5.70	-1.287	7.39	-1.542	8.98	-.854
	2.30	-.384	3.90	-.414	5.50	-1.001	7.19	-1.498	8.78	-1.029
I	2.10	-.364	3.70	-.398	5.30	-.740	6.99	-1.397	8.58	-1.172
			3.50	-.345	5.10	-.499	6.78	-1.235	8.38	-1.267
N			3.00	-.340	4.50	-.301	6.38	-.878	7.98	-1.248
			2.50	-.383	3.50	-.268	5.98	-.550	7.38	-.846
			2.00	-.383	2.50	-.261	5.50	-.410	6.50	-.487
G							4.50	-.294	5.50	-.334
							3.50	-.269	4.50	-.292
							2.50	-.247	3.50	-.279
									2.50	-.257

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.505
46.34	-.416
46.59	-.331
46.84	-.245
47.09	*****
47.34	-.084

OUTBOARD

X IN.	CP
45.84	-.382
46.09	-.277
46.34	-.202
46.59	-.140
46.84	-.079
47.09	*****
47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 45.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$

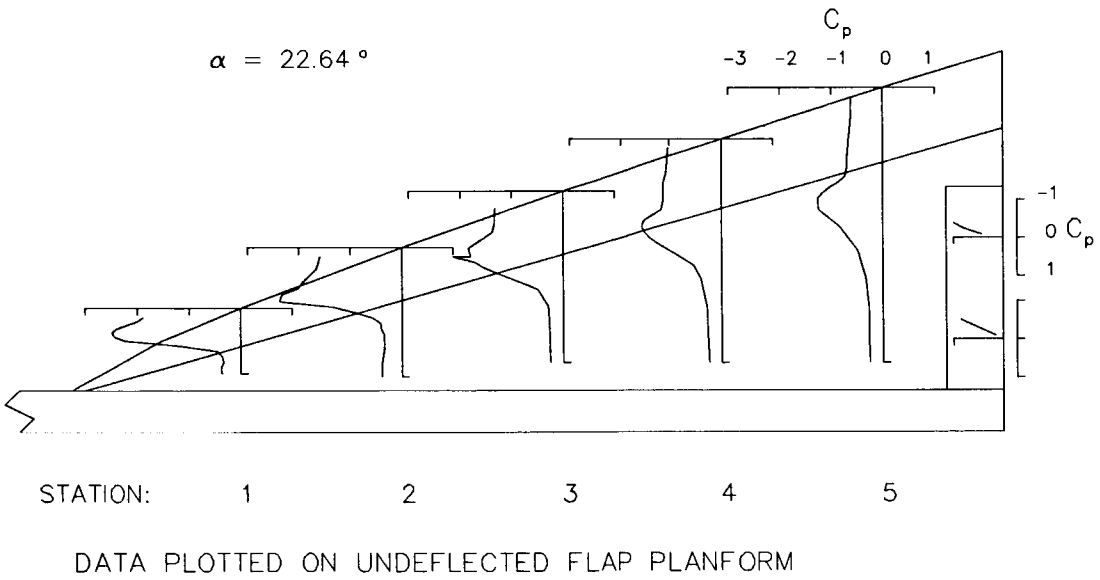


Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= -.068 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.111	6.32	.086	8.34	.079	10.23	.074	12.04	.034
	3.99	.095	6.09	.075	8.05	.072	9.90	.061	11.68	.030
E	3.85	.066	5.86	.061	7.76	.058	9.57	.043	11.32	.009
	3.71	.055	5.63	.049	7.46	.041	9.23	.027	10.96	-.001
V	3.57	.043	5.40	.033	7.17	*****	8.90	-.006	10.60	-.032
	3.43	.028	5.17	.012	6.88	.003	8.57	*****	10.24	-.053
F	3.29	.009	4.94	-.031	6.59	-.037	8.23	-.066	9.88	-.134
	3.10	-.127	4.70	-.208	6.30	-.116	7.99	-.140	9.58	-.208
	2.90	-.051	4.50	-.116	6.10	-.078	7.79	-.102	9.38	-.170
W	2.70	-.032	4.30	-.064	5.90	-.056	7.59	-.086	9.18	-.159
	2.50	-.049	4.10	-.062	5.70	-.050	7.39	-.076	8.98	-.153
I	2.30	-.045	3.90	-.055	5.50	-.048	7.19	-.069	8.78	-.157
	2.10	-.034	3.70	-.077	5.30	-.050	6.99	-.074	8.58	-.160
			3.50	-.063	5.10	-.049	6.78	-.074	8.38	-.169
N			3.00	-.067	4.50	-.044	6.38	-.076	7.98	-.168
			2.50	-.101	3.50	-.027	5.98	-.068	7.38	-.165
			2.00	-.092	2.50	-.021	5.50	-.060	6.50	-.167
G							4.50	-.052	5.50	-.169
							3.50	-.047	4.50	-.169
							2.50	-.040	3.50	-.171
									2.50	-.169

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.386
46.09	-.221	46.09	-.228
46.34	-.132	46.34	-.142
46.59	-.082	46.59	-.093
46.84	-.048	46.84	-.063
47.09	*****	47.09	*****
47.34	.011	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 1.979 DEG.

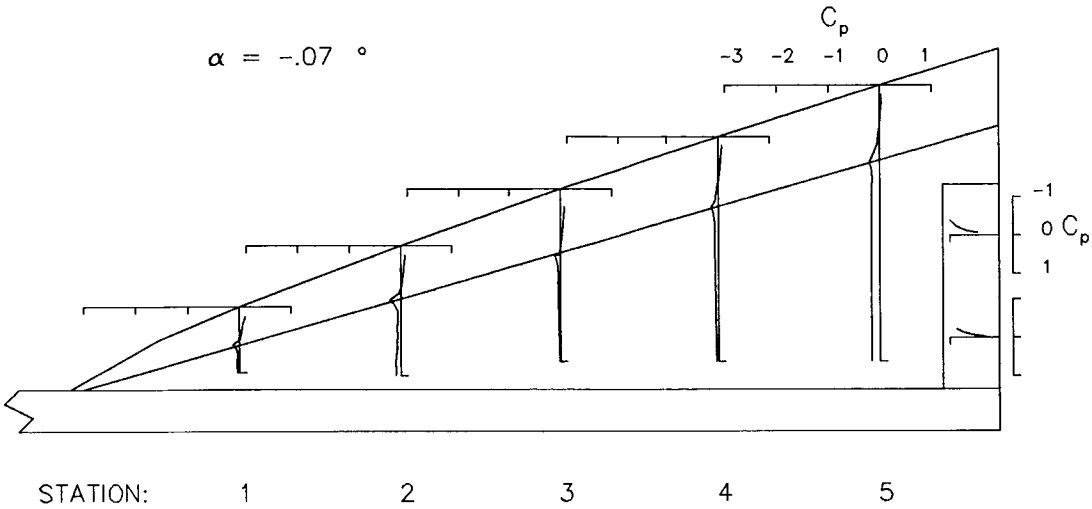
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.068	6.32	.058	8.34	.056	10.23	.045	12.04	.002
	3.99	.068	6.09	.054	8.05	.046	9.90	.037	11.68	.004
E	3.85	.030	5.86	.030	7.76	.029	9.57	.011	11.32	-.020
	3.71	.016	5.63	.009	7.46	.005	9.23	-.005	10.96	-.028
V	3.57	.002	5.40	-.012	7.17	*****	8.90	-.050	10.60	-.066
	3.43	-.017	5.17	-.034	6.88	-.042	8.57	*****	10.24	-.094
F	3.29	-.040	4.94	-.084	6.59	-.089	8.23	-.125	9.88	-.183
	3.10	-.208	4.70	-.282	6.30	-.188	7.99	-.220	9.58	-.289
	2.90	-.120	4.50	-.180	6.10	-.137	7.79	-.170	9.38	-.230
W	2.70	-.077	4.30	-.110	5.90	-.103	7.59	-.133	9.18	-.193
	2.50	-.081	4.10	-.103	5.70	-.094	7.39	-.119	8.98	-.190
I	2.30	-.086	3.90	-.098	5.50	-.088	7.19	-.110	8.78	-.192
	2.10	-.067	3.70	-.116	5.30	-.086	6.99	-.112	8.58	-.190
			3.50	-.096	5.10	-.086	6.78	-.109	8.38	-.198
N			3.00	-.100	4.50	-.075	6.38	-.110	7.98	-.193
			2.50	-.129	3.50	-.051	5.98	-.096	7.38	-.184
			2.00	-.121	2.50	-.043	5.50	-.081	6.50	-.182
G							4.50	-.071	5.50	-.183
							3.50	-.065	4.50	-.180
							2.50	-.054	3.50	-.180
									2.50	-.177

TRAILING-EDGE FLAP

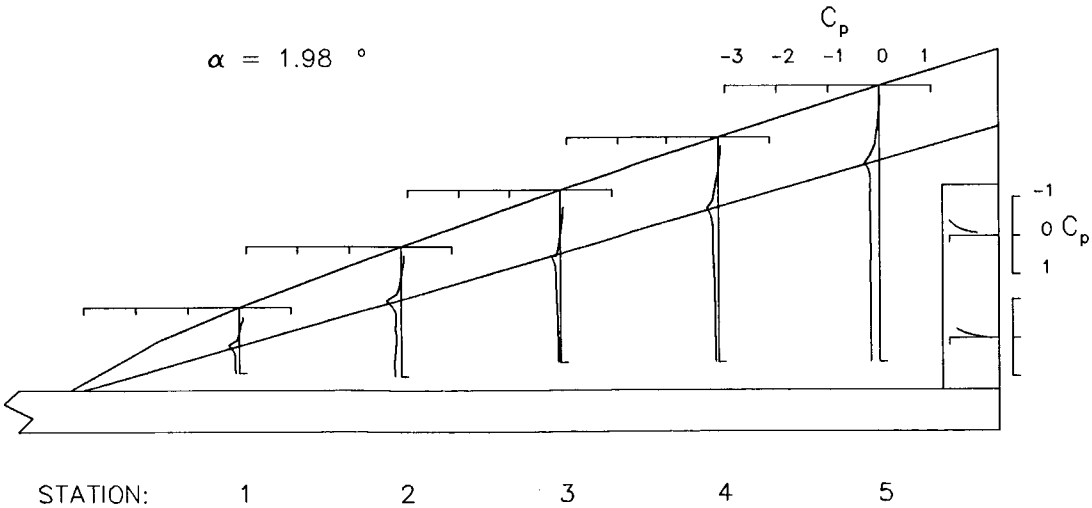
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.388
46.09	-.235	46.09	-.231
46.34	-.140	46.34	-.147
46.59	-.076	46.59	-.099
46.84	-.036	46.84	-.067
47.09	*****	47.09	*****
47.34	.015	47.34	*****

Table V. Continued

$$\delta_{\text{LEVf}} = 45.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEVf}} = 45.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 3.958 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.022	6.32	.017	8.34	.015	10.23	-.005	12.04	-.037
	3.99	.024	6.09	.013	8.05	.006	9.90	-.005	11.68	-.030
E	3.85	-.013	5.86	-.011	7.76	-.014	9.57	-.027	11.32	-.054
	3.71	-.028	5.63	-.031	7.46	-.037	9.23	-.046	10.96	-.069
V	3.57	-.046	5.40	-.057	7.17	*****	8.90	-.099	10.60	-.109
	3.43	-.068	5.17	-.085	6.88	-.093	8.57	*****	10.24	-.145
F	3.29	-.094	4.94	-.145	6.59	-.148	8.23	-.182	9.88	-.244
	3.10	-.271	4.70	-.353	6.30	-.266	7.99	-.306	9.58	-.384
	2.90	-.203	4.50	-.262	6.10	-.223	7.79	-.266	9.38	-.327
W	2.70	-.118	4.30	-.150	5.90	-.145	7.59	-.193	9.18	-.238
	2.50	-.109	4.10	-.148	5.70	-.138	7.39	-.169	8.98	-.233
	2.30	-.142	3.90	-.138	5.50	-.131	7.19	-.151	8.78	-.231
I	2.10	-.095	3.70	-.158	5.30	-.124	6.99	-.147	8.58	-.224
			3.50	-.132	5.10	-.122	6.78	-.146	8.38	-.230
			3.00	-.132	4.50	-.106	6.38	-.138	7.98	-.224
N			2.50	-.166	3.50	-.076	5.98	-.117	7.38	-.206
			2.00	-.145	2.50	-.061	5.50	-.108	6.50	-.198
							4.50	-.091	5.50	-.200
G							3.50	-.085	4.50	-.195
							2.50	-.071	3.50	-.192
									2.50	-.188

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.419
46.09	-.262	46.09	-.255
46.34	-.160	46.34	-.158
46.59	-.087	46.59	-.097
46.84	-.034	46.84	-.062
47.09	*****	47.09	*****
47.34	.038	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 5.986 DEG.

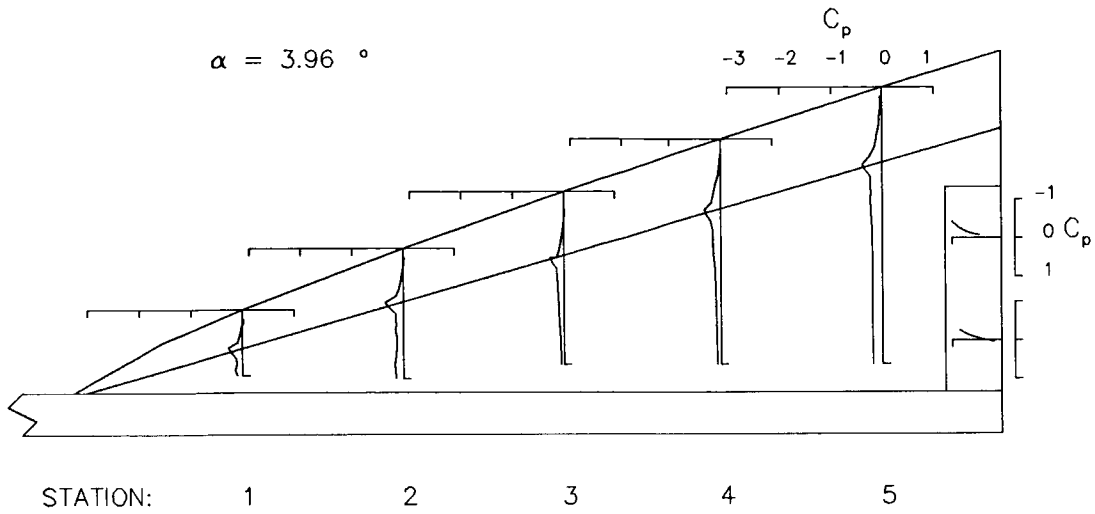
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.047	6.32	-.057	8.34	-.053	10.23	-.057	12.04	-.099
	3.99	-.033	6.09	-.044	8.05	-.058	9.90	-.064	11.68	-.087
E	3.85	-.069	5.86	-.064	7.76	-.067	9.57	-.083	11.32	-.109
	3.71	-.085	5.63	-.086	7.46	-.090	9.23	-.102	10.96	-.119
V	3.57	-.106	5.40	-.110	7.17	*****	8.90	-.151	10.60	-.161
	3.43	-.123	5.17	-.140	6.88	-.148	8.57	*****	10.24	-.201
F	3.29	-.152	4.94	-.208	6.59	-.206	8.23	-.236	9.88	-.304
	3.10	-.321	4.70	-.406	6.30	-.327	7.99	-.363	9.58	-.459
	2.90	-.271	4.50	-.315	6.10	-.389	7.79	-.339	9.38	-.464
W	2.70	-.174	4.30	-.229	5.90	-.240	7.59	-.302	9.18	-.305
	2.50	-.150	4.10	-.222	5.70	-.206	7.39	-.313	8.98	-.323
	2.30	-.213	3.90	-.205	5.50	-.166	7.19	-.196	8.78	-.268
I	2.10	-.120	3.70	-.240	5.30	-.156	6.99	-.182	8.58	-.248
			3.50	-.168	5.10	-.159	6.78	-.188	8.38	-.262
			3.00	-.160	4.50	-.142	6.38	-.171	7.98	-.287
N			2.50	-.209	3.50	-.101	5.98	-.153	7.38	-.228
			2.00	-.171	2.50	-.083	5.50	-.130	6.50	-.227
							4.50	-.121	5.50	-.214
G							3.50	-.103	4.50	-.213
							2.50	-.085	3.50	-.203
									2.50	-.198

TRAILING-EDGE FLAP

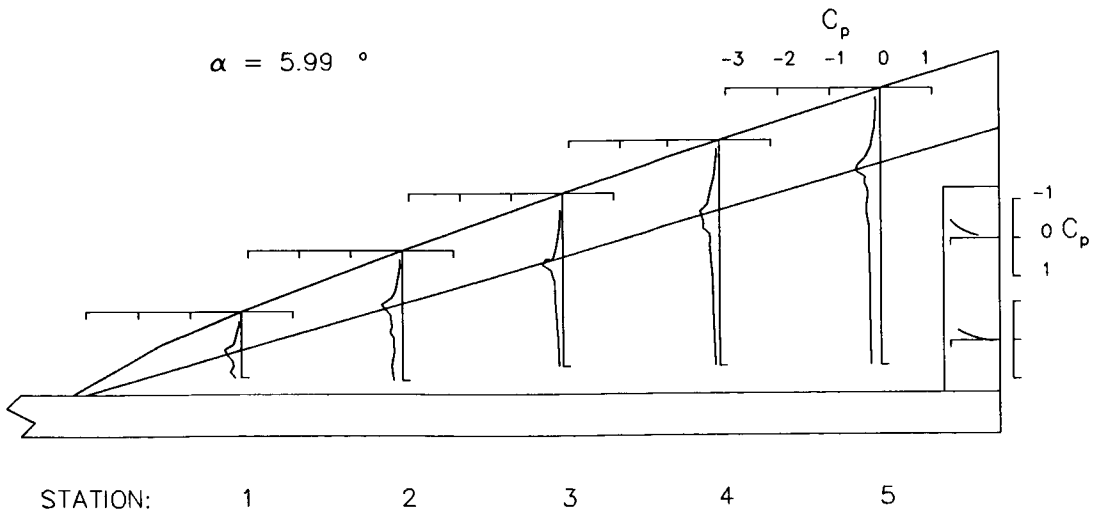
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.468
46.09	-.273	46.09	-.291
46.34	-.174	46.34	-.187
46.59	-.102	46.59	-.111
46.84	-.045	46.84	-.059
47.09	*****	47.09	*****
47.34	.033	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 8.056 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.114	6.32	-.309	8.34	-.318	10.23	-.311	12.04	-.293
	3.99	-.114	6.09	-.098	8.05	-.245	9.90	-.256	11.68	-.300
E	3.85	-.140	5.86	-.114	7.76	-.116	9.57	-.158	11.32	-.231
	3.71	-.151	5.63	-.143	7.46	-.122	9.23	-.142	10.96	-.146
V	3.57	-.163	5.40	-.167	7.17	*****	8.90	-.187	10.60	-.183
	3.43	-.186	5.17	-.198	6.88	-.193	8.57	*****	10.24	-.221
F	3.29	-.213	4.94	-.259	6.59	-.247	8.23	-.272	9.88	-.332
	3.10	-.370	4.70	-.464	6.30	-.332	7.99	-.358	9.58	-.399
	2.90	-.334	4.50	-.333	6.10	-.368	7.79	-.363	9.38	-.456
W	2.70	-.259	4.30	-.374	5.90	-.382	7.59	-.332	9.18	-.425
	2.50	-.211	4.10	-.306	5.70	-.377	7.39	-.374	8.98	-.385
	2.30	-.321	3.90	-.311	5.50	-.276	7.19	-.367	8.78	-.320
I	2.10	-.191	3.70	-.350	5.30	-.241	6.99	-.316	8.58	-.312
			3.50	-.273	5.10	-.248	6.78	-.260	8.38	-.334
			3.00	-.213	4.50	-.213	6.38	-.246	7.98	-.376
N			2.50	-.239	3.50	-.132	5.98	-.246	7.38	-.321
			2.00	-.197	2.50	-.095	5.50	-.193	6.50	-.277
							4.50	-.148	5.50	-.244
G							3.50	-.116	4.50	-.218
							2.50	-.096	3.50	-.211
									2.50	-.206

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.520
46.09	-.357	46.09	-.322
46.34	-.261	46.34	-.204
46.59	-.182	46.59	-.121
46.84	-.109	46.84	-.061
47.09	*****	47.09	*****
47.34	.010	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 10.041 DEG.

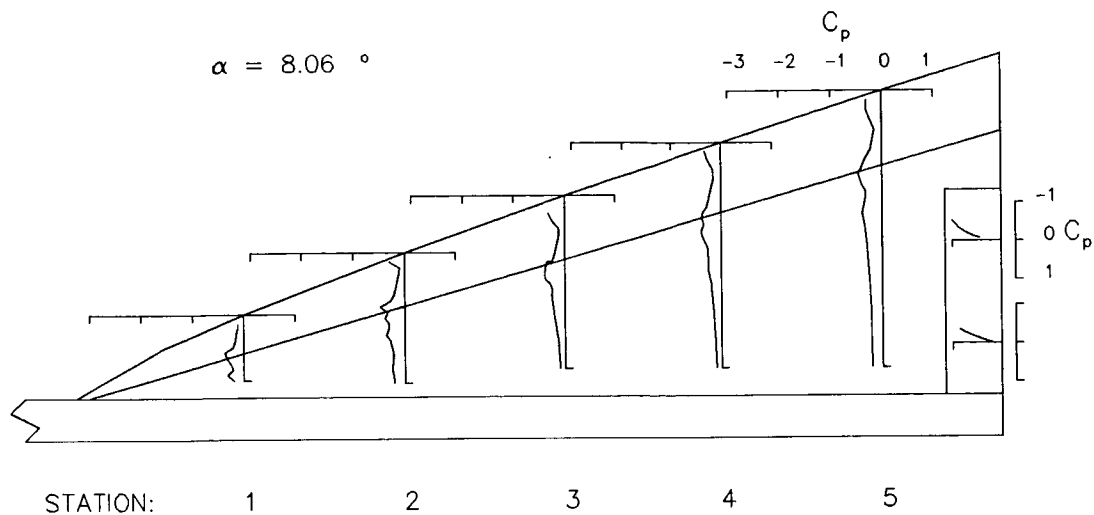
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.475	6.32	-.479	8.34	-.487	10.23	-.466	12.04	-.431
	3.99	-.466	6.09	-.525	8.05	-.478	9.90	-.487	11.68	-.448
E	3.85	-.374	5.86	-.496	7.76	-.482	9.57	-.520	11.32	-.487
	3.71	-.220	5.63	-.255	7.46	-.414	9.23	-.446	10.96	-.464
V	3.57	-.188	5.40	-.151	7.17	*****	8.90	-.181	10.60	-.374
	3.43	-.207	5.17	-.196	6.88	-.188	8.57	*****	10.24	-.249
F	3.29	-.241	4.94	-.288	6.59	-.250	8.23	-.270	9.88	-.326
	3.10	-.423	4.70	-.513	6.30	-.369	7.99	-.403	9.58	-.424
	2.90	-.395	4.50	-.381	6.10	-.402	7.79	-.379	9.38	-.402
W	2.70	-.314	4.30	-.412	5.90	-.355	7.59	-.325	9.18	-.348
	2.50	-.245	4.10	-.344	5.70	-.346	7.39	-.317	8.98	-.337
	2.30	-.391	3.90	-.339	5.50	-.301	7.19	-.308	8.78	-.328
I	2.10	-.275	3.70	-.381	5.30	-.275	6.99	-.300	8.58	-.323
			3.50	-.347	5.10	-.273	6.78	-.280	8.38	-.328
			3.00	-.273	4.50	-.273	6.38	-.273	7.98	-.327
N			2.50	-.275	3.50	-.188	5.98	-.275	7.38	-.329
			2.00	-.214	2.50	-.103	5.50	-.260	6.50	-.351
							4.50	-.206	5.50	-.304
G							3.50	-.123	4.50	-.225
							2.50	-.100	3.50	-.203
									2.50	-.206

TRAILING-EDGE FLAP

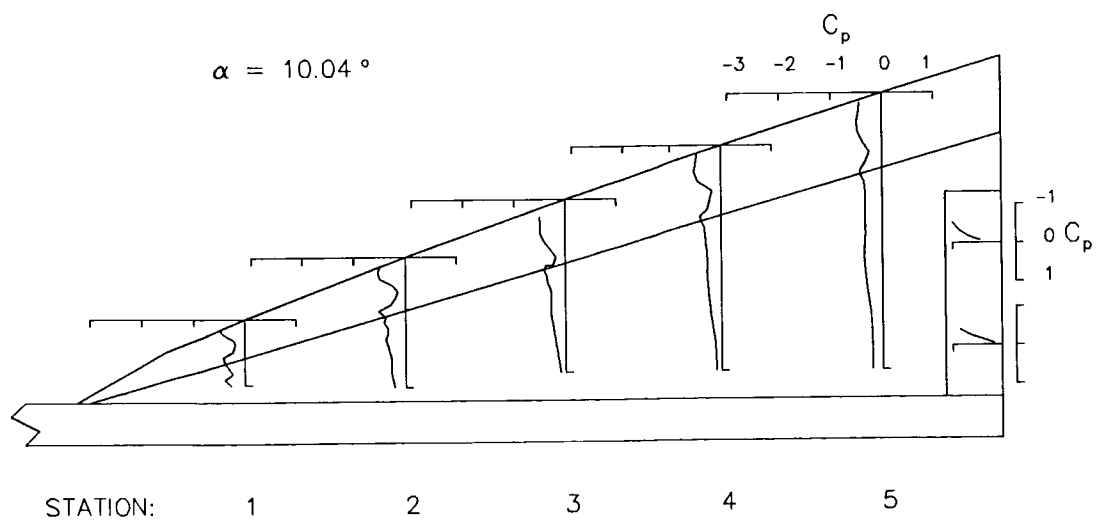
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.523
46.09	-.402	46.09	-.317
46.34	-.300	46.34	-.195
46.59	-.222	46.59	-.115
46.84	-.161	46.84	-.061
47.09	*****	47.09	*****
47.34	-.041	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 11.026 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.584	6.32	-.579	8.34	-.592	10.23	-.574	12.04	-.513
	3.99	-.603	6.09	-.603	8.05	-.589	9.90	-.584	11.68	-.546
E	3.85	-.573	5.86	-.658	7.76	-.611	9.57	-.626	11.32	-.571
	3.71	-.429	5.63	-.530	7.46	-.604	9.23	-.616	10.96	-.585
V	3.57	-.279	5.40	-.294	7.17	*****	8.90	-.283	10.60	-.538
	3.43	-.221	5.17	-.187	6.88	-.254	8.57	*****	10.24	-.375
F	3.29	-.241	4.94	-.283	6.59	-.252	8.23	-.279	9.88	-.352
	3.10	-.450	4.70	-.534	6.30	-.407	7.99	-.417	9.58	-.435
	2.90	-.408	4.50	-.410	6.10	-.393	7.79	-.362	9.38	-.384
W	2.70	-.322	4.30	-.384	5.90	-.304	7.59	-.311	9.18	-.346
	2.50	-.248	4.10	-.334	5.70	-.298	7.39	-.290	8.98	-.332
	2.30	-.385	3.90	-.330	5.50	-.289	7.19	-.280	8.78	-.328
I	2.10	-.321	3.70	-.370	5.30	-.274	6.99	-.280	8.58	-.317
			3.50	-.326	5.10	-.264	6.78	-.266	8.38	-.318
			3.00	-.302	4.50	-.257	6.38	-.251	7.98	-.304
N			2.50	-.310	3.50	-.224	5.98	-.247	7.58	-.299
			2.00	-.226	2.50	-.111	5.50	-.238	6.50	-.319
							4.50	-.238	5.50	-.328
G							3.50	-.142	4.50	-.257
							2.50	-.101	3.50	-.201
									2.50	-.208

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.315
46.34	-.227
46.59	-.176
46.84	-.132
47.09	*****
47.34	-.055

OUTBOARD

X IN.	CP
45.84	-.535
46.09	-.323
46.34	-.202
46.59	-.119
46.84	-.058
47.09	*****
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 12.056 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.691	6.32	-.700	8.34	-.690	10.23	-.686	12.04	-.593
	3.99	-.723	6.09	-.726	8.05	-.705	9.90	-.711	11.68	-.644
E	3.85	-.739	5.86	-.787	7.76	-.730	9.57	-.742	11.32	-.667
	3.71	-.643	5.63	-.751	7.46	-.762	9.23	-.762	10.96	-.696
V	3.57	-.463	5.40	-.532	7.17	*****	8.90	-.467	10.60	-.699
	3.43	-.302	5.17	-.279	6.88	-.424	8.57	*****	10.24	-.540
F	3.29	-.250	4.94	-.264	6.59	-.271	8.23	-.328	9.88	-.412
	3.10	-.492	4.70	-.597	6.30	-.434	7.99	-.400	9.58	-.419
	2.90	-.400	4.50	-.435	6.10	-.361	7.79	-.356	9.38	-.385
W	2.70	-.335	4.30	-.339	5.90	-.301	7.59	-.323	9.18	-.361
	2.50	-.246	4.10	-.325	5.70	-.284	7.39	-.302	8.98	-.346
	2.30	-.322	3.90	-.312	5.50	-.271	7.19	-.286	8.78	-.340
I	2.10	-.362	3.70	-.340	5.30	-.261	6.99	-.279	8.58	-.328
			3.50	-.313	5.10	-.255	6.78	-.265	8.38	-.321
			3.00	-.287	4.50	-.231	6.38	-.244	7.98	-.303
N			2.50	-.362	3.50	-.231	5.98	-.230	7.58	-.295
			2.00	-.247	2.50	-.137	5.50	-.219	6.50	-.298
							4.50	-.235	5.50	-.314
G							3.50	-.190	4.50	-.299
							2.50	-.105	3.50	-.210
									2.50	-.204

TRAILING-EDGE FLAP

INBOARD

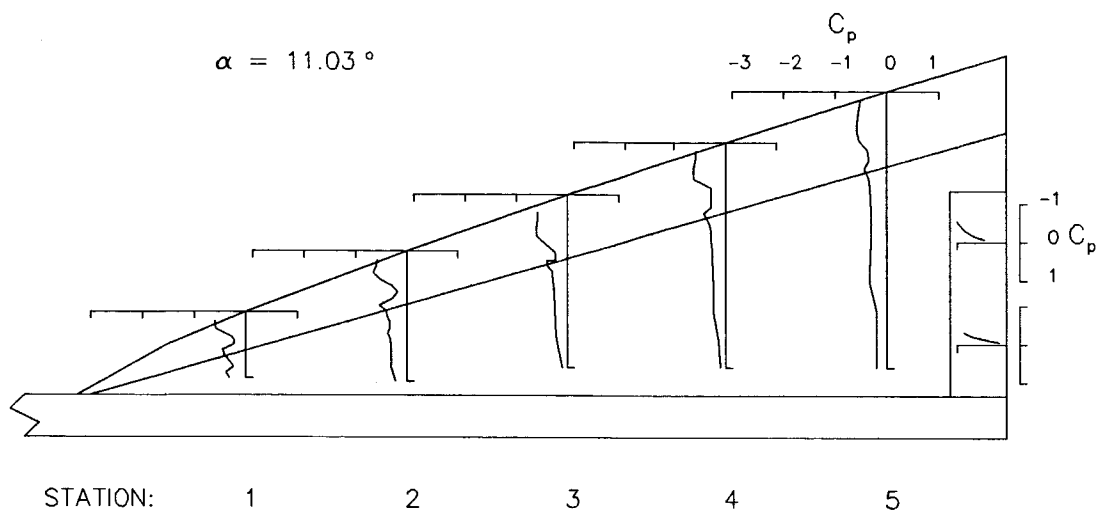
X IN.	CP
45.84	*****
46.09	-.294
46.34	-.218
46.59	-.165
46.84	-.129
47.09	*****
47.34	-.060

OUTBOARD

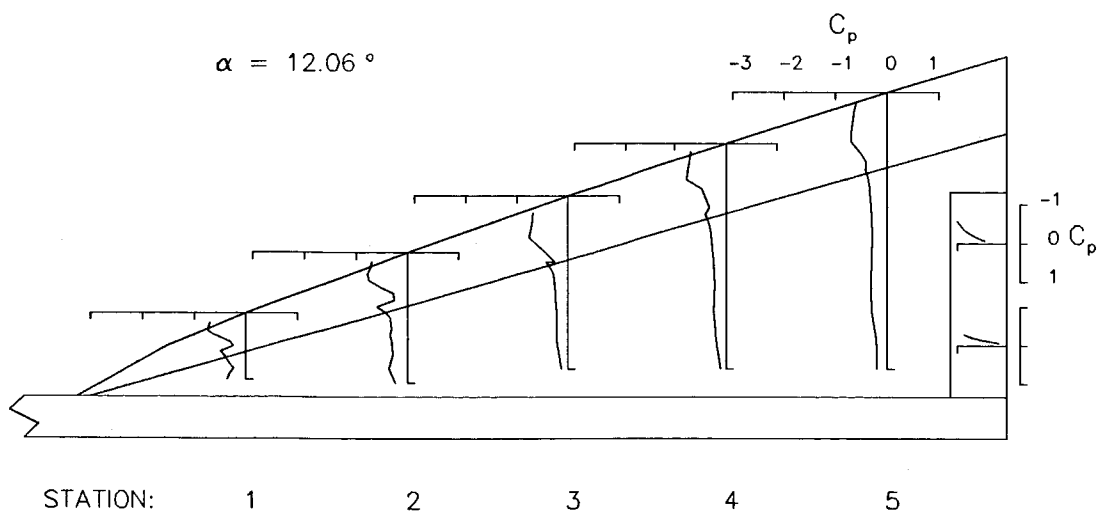
X IN.	CP
45.84	-.568
46.09	-.353
46.34	-.226
46.59	-.133
46.84	-.063
47.09	*****
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 13.019 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.811	6.32	-.812	8.34	-.808	10.23	-.781	12.04	-.656
	3.99	-.848	6.09	-.836	8.05	-.823	9.90	-.797	11.68	-.701
E	3.85	-.873	5.86	-.920	7.76	-.839	9.57	-.836	11.32	-.734
	3.71	-.846	5.63	-.933	7.46	-.899	9.23	-.868	10.96	-.773
V	3.57	-.687	5.40	-.756	7.17	*****	8.90	-.656	10.60	-.807
	3.43	-.464	5.17	-.476	6.88	-.632	8.57	*****	10.24	-.701
F	3.29	-.285	4.94	-.277	6.59	-.342	8.23	-.445	9.88	-.528
	3.10	-.529	4.70	-.647	6.30	-.439	7.99	-.375	9.58	-.408
	2.90	-.392	4.50	-.418	6.10	-.367	7.79	-.350	9.38	-.397
W	2.70	-.337	4.30	-.345	5.90	-.316	7.59	-.327	9.18	-.371
	2.50	-.256	4.10	-.324	5.70	-.295	7.39	-.313	8.98	-.364
	2.30	-.319	3.90	-.305	5.50	-.276	7.19	-.298	8.78	-.351
I	2.10	-.340	3.70	-.322	5.30	-.261	6.99	-.290	8.58	-.340
			3.50	-.303	5.10	-.251	6.78	-.275	8.38	-.334
			3.00	-.286	4.90	-.227	6.58	-.246	8.18	-.311
N			2.50	-.372	4.70	-.219	6.38	-.228	7.98	-.296
			2.00	-.272	4.50	-.169	6.18	-.218	7.78	-.297
							5.98	-.205	7.58	-.288
G							5.78	-.213	7.38	-.297
							5.58	-.216	7.18	-.288
							5.38	-.213	6.98	-.305
							5.18	-.216	6.78	-.238
							4.98	-.116	6.58	-.204

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.574
46.09	-.298	46.09	-.359
46.34	-.215	46.34	-.237
46.59	-.156	46.59	-.142
46.84	-.114	46.84	-.071
47.09	*****	47.09	*****
47.34	-.048	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 13.974 DEG.

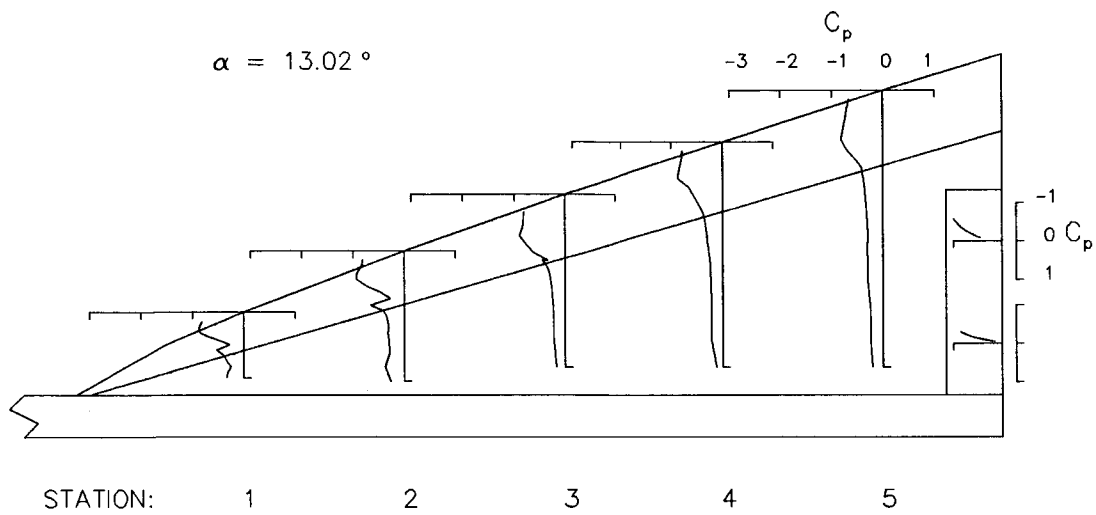
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.924	6.32	-.926	8.34	-.910	10.23	-.865	12.04	-.698
	3.99	-.972	6.09	-.972	8.05	-.934	9.90	-.886	11.68	-.744
E	3.85	-1.014	5.86	-1.028	7.76	-.968	9.57	-.930	11.32	-.772
	3.71	-1.022	5.63	-1.059	7.46	-1.028	9.23	-.986	10.96	-.822
V	3.57	-.917	5.40	-.978	7.17	*****	8.90	-.850	10.60	-.869
	3.43	-.682	5.17	-.666	6.88	-.822	8.57	*****	10.24	-.811
F	3.29	-.409	4.94	-.343	6.59	-.447	8.23	-.583	9.88	-.700
	3.10	-.540	4.70	-.654	6.30	-.423	7.99	-.370	9.58	-.461
	2.90	-.379	4.50	-.419	6.10	-.367	7.79	-.348	9.38	-.445
W	2.70	-.336	4.30	-.358	5.90	-.324	7.59	-.329	9.18	-.411
	2.50	-.257	4.10	-.330	5.70	-.305	7.39	-.319	8.98	-.389
	2.30	-.315	3.90	-.312	5.50	-.287	7.19	-.304	8.78	-.380
I	2.10	-.314	3.70	-.323	5.30	-.273	6.99	-.301	8.58	-.363
			3.50	-.299	5.10	-.256	6.78	-.281	8.38	-.342
			3.00	-.291	4.90	-.227	6.58	-.254	8.18	-.315
N			2.50	-.354	4.70	-.207	6.38	-.228	7.98	-.296
			2.00	-.294	4.50	-.192	6.18	-.217	7.78	-.295
							5.98	-.200	7.58	-.278
G							5.78	-.216	7.38	-.298
							5.58	-.128	7.18	-.260
							5.38	-.128	6.98	-.206

TRAILING-EDGE FLAP

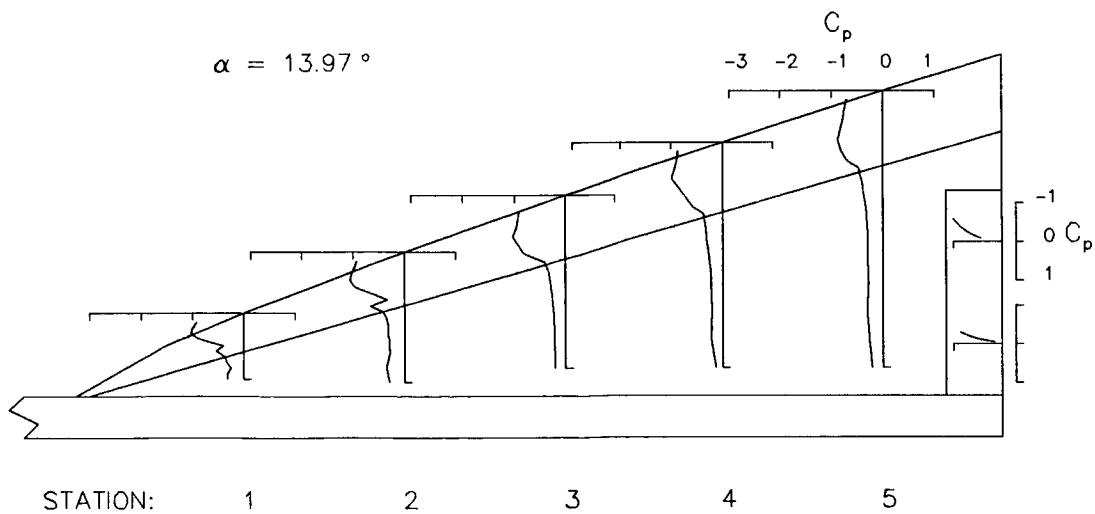
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.581
46.09	-.296	46.09	-.378
46.34	-.218	46.34	-.250
46.59	-.154	46.59	-.155
46.84	-.110	46.84	-.084
47.09	*****	47.09	*****
47.34	-.047	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 15.061 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.068	6.32	-1.056	8.34	-1.031	10.23	-.948	12.04	-.718
	3.99	-1.116	6.09	-1.092	8.05	-1.042	9.90	-.971	11.68	-.761
E	3.85	-1.185	5.86	-1.178	7.76	-1.098	9.57	-1.017	11.32	-.786
	3.71	-1.220	5.63	-1.242	7.46	-1.192	9.23	-1.098	10.96	-.842
V	3.57	-1.121	5.40	-1.200	7.17	*****	8.90	-1.018	10.60	-.899
	3.43	-.936	5.17	-.962	6.88	-1.014	8.57	*****	10.24	-.883
F	3.29	-.587	4.94	-.532	6.59	-.642	8.23	-.819	9.88	-.876
	3.10	-.505	4.70	-.609	6.30	-.414	7.99	-.453	9.58	-.672
	2.90	-.371	4.50	-.425	6.10	-.358	7.79	-.399	9.38	-.588
W	2.70	-.337	4.30	-.355	5.90	-.323	7.59	-.365	9.18	-.542
	2.50	-.263	4.10	-.339	5.70	-.308	7.39	-.333	8.98	-.516
	2.30	-.326	3.90	-.317	5.50	-.293	7.19	-.316	8.78	-.443
I	2.10	-.314	3.70	-.332	5.30	-.279	6.99	-.308	8.58	-.400
			3.50	-.298	5.10	-.265	6.78	-.294	8.38	-.366
			3.00	-.290	4.50	-.229	6.38	-.261	7.98	-.317
N			2.50	-.340	4.00	-.202	5.98	-.230	7.58	-.292
			2.00	-.312	3.50	-.205	5.50	-.214	6.50	-.286
							5.00	-.195	5.50	-.270
G							4.50	-.205	4.50	-.286
							3.50	-.149	3.50	-.273
							2.50		2.50	-.214

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.298
46.34	-.211
46.59	-.152
46.84	-.101
47.09	*****
47.34	-.033

OUTBOARD

X IN.	CP
45.84	-.569
46.09	-.377
46.34	-.256
46.59	-.162
46.84	-.089
47.09	*****
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 15.933 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.168	6.32	-1.150	8.34	-1.108	10.23	-1.001	12.04	-.751
	3.99	-1.235	6.09	-1.199	8.05	-1.139	9.90	-1.023	11.68	-.768
E	3.85	-1.342	5.86	-1.300	7.76	-1.193	9.57	-1.066	11.32	-.799
	3.71	-1.379	5.63	-1.375	7.46	-1.300	9.23	-1.152	10.96	-.832
V	3.57	-1.303	5.40	-1.351	7.17	*****	8.90	-1.138	10.60	-.901
	3.43	-1.133	5.17	-1.158	6.88	-1.185	8.57	*****	10.24	-.918
F	3.29	-.776	4.94	-.712	6.59	-.863	8.23	-1.005	9.88	-.991
	3.10	-.460	4.70	-.566	6.30	-.434	7.99	-.598	9.58	-.871
	2.90	-.362	4.50	-.421	6.10	-.358	7.79	-.520	9.38	-.826
W	2.70	-.331	4.30	-.362	5.90	-.327	7.59	-.417	9.18	-.780
	2.50	-.264	4.10	-.342	5.70	-.312	7.39	-.368	8.98	-.687
	2.30	-.322	3.90	-.323	5.50	-.297	7.19	-.345	8.78	-.560
I	2.10	-.308	3.70	-.342	5.30	-.285	6.99	-.318	8.58	-.486
			3.50	-.300	5.10	-.276	6.78	-.297	8.38	-.430
			3.00	-.288	4.50	-.236	6.38	-.257	7.98	-.306
N			2.50	-.334	3.50	-.204	5.98	-.235	7.58	-.281
			2.00	-.323	2.50	-.211	5.50	-.210	6.50	-.276
							4.50	-.198	5.50	-.267
G							3.50	-.206	4.50	-.282
							2.50	-.159	3.50	-.279
									2.50	-.224

TRAILING-EDGE FLAP

INBOARD

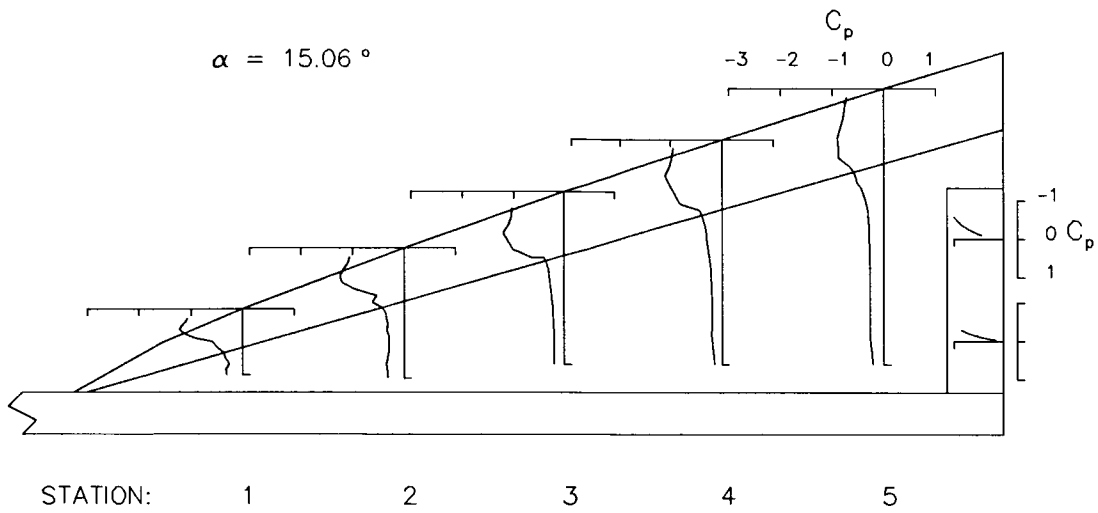
X IN.	CP
45.84	*****
46.09	-.307
46.34	-.208
46.59	-.143
46.84	-.091
47.09	*****
47.34	-.021

OUTBOARD

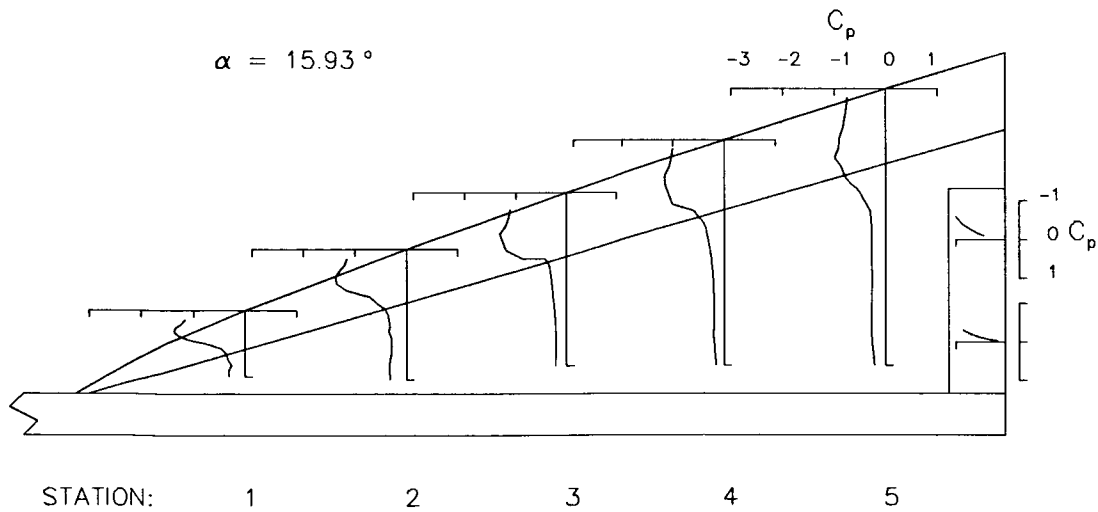
X IN.	CP
45.84	-.594
46.09	-.386
46.34	-.266
46.59	-.170
46.84	-.096
47.09	*****
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 18.625 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.504	6.32	-1.409	8.34	-1.278	10.23	-1.079	12.04	-.814
	3.99	-1.583	6.09	-1.437	8.05	-1.304	9.90	-1.096	11.68	-.814
E	3.85	-1.764	5.86	-1.544	7.76	-1.332	9.57	-1.109	11.32	-.828
	3.71	-1.873	5.63	-1.716	7.46	-1.416	9.23	-1.165	10.96	-.838
V	3.57	-1.862	5.40	-1.763	7.17	*****	8.90	-1.268	10.60	-.900
	3.43	-1.717	5.17	-1.705	6.88	-1.561	8.57	*****	10.24	-1.016
F	3.29	-1.395	4.94	-1.449	6.59	-1.563	8.23	-1.642	9.88	-1.080
	3.10	-.401	4.70	-.746	6.30	-1.318	7.99	-1.551	9.58	-1.221
	2.90	-.334	4.50	-.499	6.10	-.797	7.79	-1.361	9.38	-1.311
W	2.70	-.330	4.30	-.359	5.90	-.582	7.59	-1.199	9.18	-1.330
	2.50	-.278	4.10	-.335	5.70	-.405	7.39	-.990	8.98	-1.278
	2.30	-.328	3.90	-.315	5.50	-.298	7.19	-.766	8.78	-1.187
I	2.10	-.309	3.70	-.347	5.30	-.255	6.99	-.533	8.58	-1.025
			3.50	-.307	5.10	-.243	6.78	-.325	8.38	-.858
			3.00	-.301	4.50	-.241	6.38	-.192	7.98	-.463
N			2.50	-.320	3.50	-.206	5.98	-.199	7.38	-.245
			2.00	-.343	2.50	-.202	5.50	-.193	6.50	-.247
							4.50	-.197	5.50	-.261
G							3.50	-.188	4.50	-.261
							2.50	-.186	3.50	-.284
									2.50	-.248

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.489
46.09	-.414	46.09	-.313
46.34	-.274	46.34	-.224
46.59	-.175	46.59	-.165
46.84	-.096	46.84	-.124
47.09	*****	47.09	*****
47.34	.011	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 20.793 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.741	6.32	-1.534	8.34	-1.309	10.23	-1.102	12.04	-.766
	3.99	-1.837	6.09	-1.578	8.05	-1.334	9.90	-1.100	11.68	-.764
E	3.85	-2.045	5.86	-1.638	7.76	-1.346	9.57	-1.122	11.32	-.788
	3.71	-2.202	5.63	-1.786	7.46	-1.407	9.23	-1.136	10.96	-.800
V	3.57	-2.222	5.40	-1.889	7.17	*****	8.90	-1.400	10.60	-.814
	3.43	-2.111	5.17	-1.962	6.88	-1.657	8.57	*****	10.24	-.835
F	3.29	-1.849	4.94	-1.938	6.59	-2.004	8.23	-1.432	9.88	-.857
	3.10	-.694	4.70	-1.768	6.30	-2.100	7.99	-1.494	9.58	-.875
	2.90	-.346	4.50	-.914	6.10	-1.490	7.79	-1.631	9.38	-.955
W	2.70	-.346	4.30	-.516	5.90	-1.217	7.59	-1.588	9.18	-1.157
	2.50	-.314	4.10	-.338	5.70	-.920	7.39	-1.501	8.98	-1.314
	2.30	-.374	3.90	-.293	5.50	-.621	7.19	-1.340	8.78	-1.384
I	2.10	-.337	3.70	-.338	5.30	-.387	6.99	-1.113	8.58	-1.380
			3.50	-.313	5.10	-.284	6.78	-.854	8.38	-1.297
			3.00	-.310	4.50	-.256	6.38	-.492	7.98	-1.017
N			2.50	-.348	3.50	-.230	5.98	-.284	7.38	-.552
			2.00	-.359	2.50	-.227	5.50	-.248	6.50	-.348
							4.50	-.224	5.50	-.323
G							3.50	-.222	4.50	-.320
							2.50	-.222	3.50	-.316
									2.50	-.300

TRAILING-EDGE FLAP

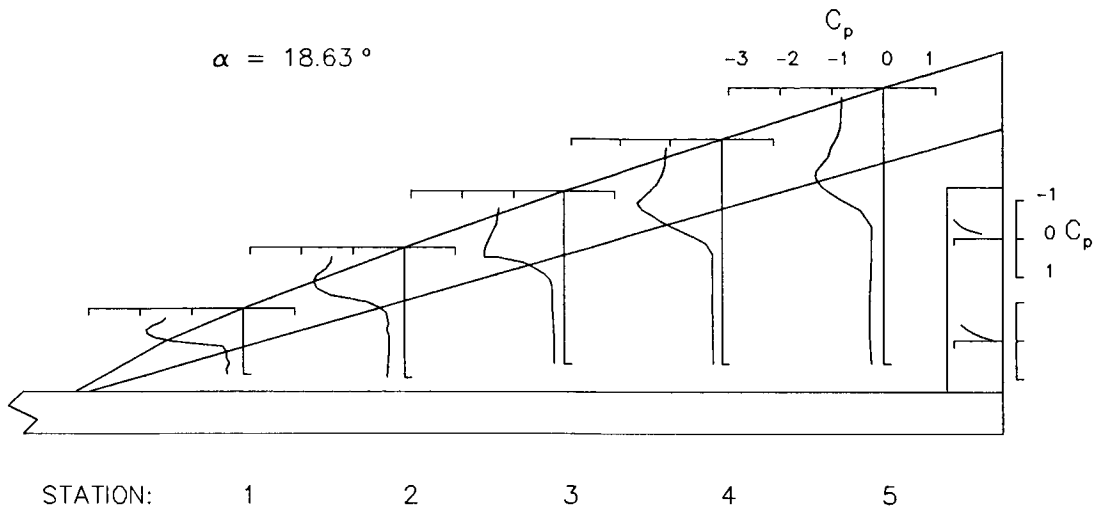
INBOARD

OUTBOARD

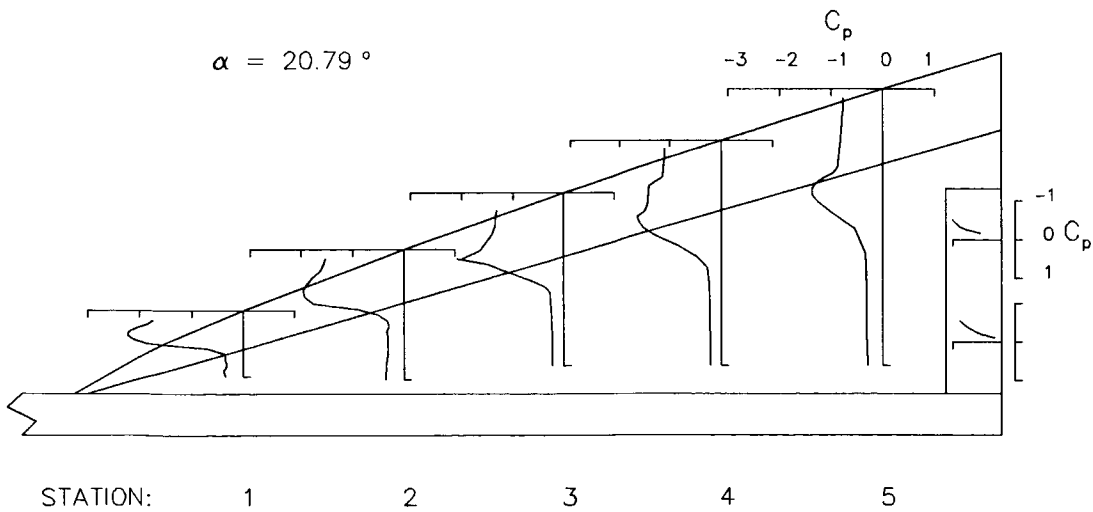
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.508
46.09	-.549	46.09	-.334
46.34	-.397	46.34	-.253
46.59	-.283	46.59	-.209
46.84	-.202	46.84	-.167
47.09	*****	47.09	*****
47.34	-.108	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEVF DEFLECTION= 45 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 22.921 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.918	6.32	-1.637	8.34	-1.403	10.23	-1.124	12.04	-.733
	3.99	-2.014	6.09	-1.674	8.05	-1.414	9.90	-1.136	11.68	-.737
E	3.85	-2.265	5.86	-1.726	7.76	-1.424	9.57	-1.146	11.32	-.750
	3.71	-2.623	5.63	-1.857	7.46	-1.474	9.23	-1.171	10.96	-.764
V	3.57	-2.800	5.40	-2.046	7.17	*****	8.90	-1.238	10.60	-.784
	3.43	-2.746	5.17	-2.134	6.88	-1.882	8.57	*****	10.24	-.817
F	3.29	-2.465	4.94	-2.576	6.59	-1.856	8.23	-1.235	9.88	-.833
	3.10	-1.126	4.70	-2.537	6.30	-2.190	7.99	-1.282	9.58	-.838
	2.90	-.393	4.50	-1.414	6.10	-1.758	7.79	-1.476	9.38	-.857
W	2.70	-.302	4.30	-.969	5.90	-1.590	7.59	-1.624	9.18	-.930
	2.50	-.304	4.10	-.603	5.70	-1.326	7.39	-1.684	8.98	-1.087
I	2.30	-.368	3.90	-.402	5.50	-1.031	7.19	-1.641	8.78	-1.266
	2.10	-.354	3.70	-.392	5.30	-.772	6.99	-1.530	8.58	-1.385
			3.50	-.330	5.10	-.568	6.78	-1.357	8.38	-1.489
N			3.00	-.341	4.50	-.348	6.38	-.952	7.98	-1.377
			2.50	-.395	3.50	-.302	5.98	-.606	7.38	-.941
			2.00	-.396	2.50	-.285	5.50	-.422	6.50	-.572
G							4.50	-.320	5.50	-.415
							3.50	-.304	4.50	-.385
							2.50	-.280	3.50	-.371
									2.50	-.350

TRAILING-EDGE FLAP

INBOARD

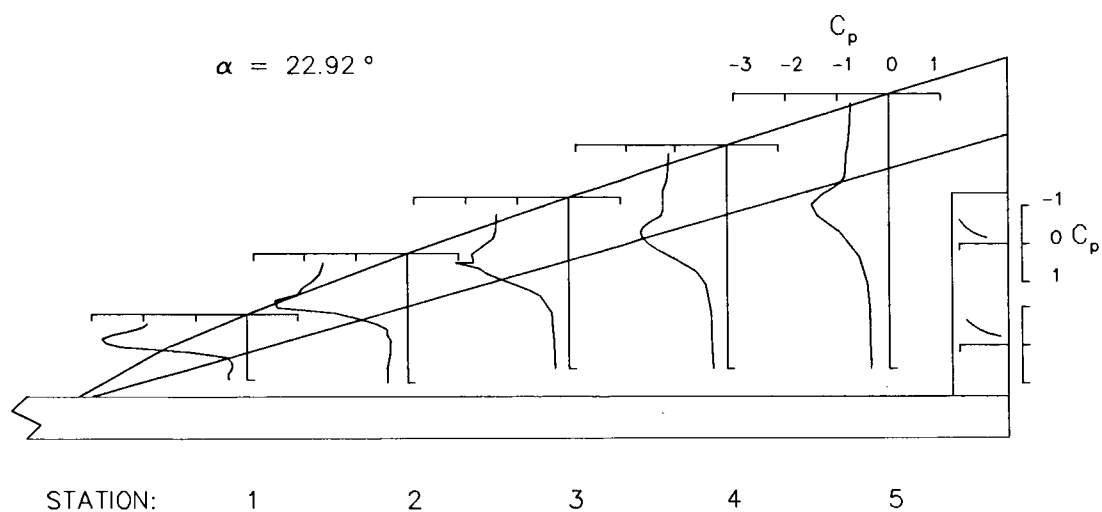
X IN.	CP
45.84	*****
46.09	-.657
46.34	-.501
46.59	-.383
46.84	-.312
47.09	*****
47.34	-.217

OUTBOARD

X IN.	CP
45.84	-.631
46.09	-.422
46.34	-.295
46.59	-.207
46.84	-.156
47.09	*****
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= -.032 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.114	6.32	.088	8.34	.080	10.23	.077	12.04	.017
	3.99	.096	6.09	.079	8.05	.071	9.90	.060	11.68	.023
E	3.85	.070	5.86	.063	7.76	.061	9.57	.040	11.32	.002
	3.71	.059	5.63	.050	7.46	.042	9.23	.026	10.96	-.009
V	3.57	.044	5.40	.034	7.17	*****	8.90	-.008	10.60	-.043
	3.43	.032	5.17	.012	6.88	.003	8.57	*****	10.24	-.068
F	3.29	.015	4.94	-.032	6.59	-.033	8.23	-.074	9.88	-.148
	3.10	-.131	4.70	-.210	6.30	-.124	7.99	-.151	9.58	-.229
	2.90	-.050	4.50	-.110	6.10	-.083	7.79	-.109	9.38	-.188
W	2.70	-.031	4.30	-.065	5.90	-.060	7.59	-.094	9.18	-.170
	2.50	-.038	4.10	-.060	5.70	-.051	7.39	-.083	8.98	-.168
	2.30	-.047	3.90	-.056	5.50	-.052	7.19	-.076	8.78	-.172
I	2.10	-.029	3.70	-.075	5.30	-.051	6.99	-.082	8.58	-.171
			3.50	-.061	5.10	-.053	6.78	-.080	8.38	-.180
			3.00	-.064	4.50	-.046	6.38	-.085	7.98	-.183
N			2.50	-.100	3.50	-.031	5.98	-.074	7.38	-.177
			2.00	-.091	2.50	-.023	5.50	-.065	6.50	-.179
							4.50	-.060	5.50	-.182
G							3.50	-.057	4.50	-.184
							2.50	-.047	3.50	-.184
									2.50	-.187

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.315
46.09	-.370	46.09	-.327
46.34	-.372	46.34	-.335
46.59	-.375	46.59	-.346
46.84	-.374	46.84	-.355
47.09	*****	47.09	-.357
47.34	-.352	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 2.051 DEG.

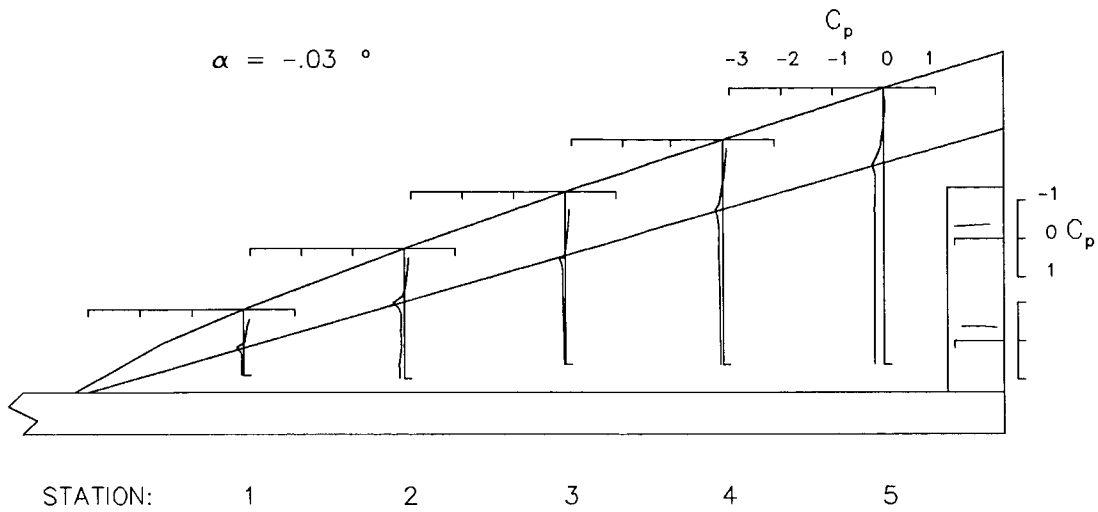
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.067	6.32	.059	8.34	.055	10.23	.045	12.04	-.024
	3.99	.067	6.09	.057	8.05	.043	9.90	.032	11.68	-.005
E	3.85	.034	5.86	.033	7.76	.029	9.57	.010	11.32	-.030
	3.71	.018	5.63	.009	7.46	.005	9.23	-.009	10.96	-.041
V	3.57	.003	5.40	-.011	7.17	*****	8.90	-.055	10.60	-.079
	3.43	-.015	5.17	-.035	6.88	-.045	8.57	*****	10.24	-.110
F	3.29	-.036	4.94	-.087	6.59	-.090	8.23	-.135	9.88	-.202
	3.10	-.205	4.70	-.283	6.30	-.190	7.99	-.228	9.58	-.312
	2.90	-.117	4.50	-.180	6.10	-.144	7.79	-.182	9.38	-.246
W	2.70	-.075	4.30	-.107	5.90	-.104	7.59	-.144	9.18	-.206
	2.50	-.065	4.10	-.107	5.70	-.099	7.39	-.124	8.98	-.201
	2.30	-.087	3.90	-.096	5.50	-.094	7.19	-.114	8.78	-.204
I	2.10	-.066	3.70	-.112	5.30	-.090	6.99	-.116	8.58	-.201
			3.50	-.099	5.10	-.089	6.78	-.117	8.38	-.207
			3.00	-.101	4.50	-.077	6.38	-.117	7.98	-.202
N			2.50	-.134	3.50	-.056	5.98	-.102	7.38	-.194
			2.00	-.123	2.50	-.044	5.50	-.090	6.50	-.190
							4.50	-.079	5.50	-.194
G							3.50	-.074	4.50	-.192
							2.50	-.063	3.50	-.192
									2.50	-.191

TRAILING-EDGE FLAP

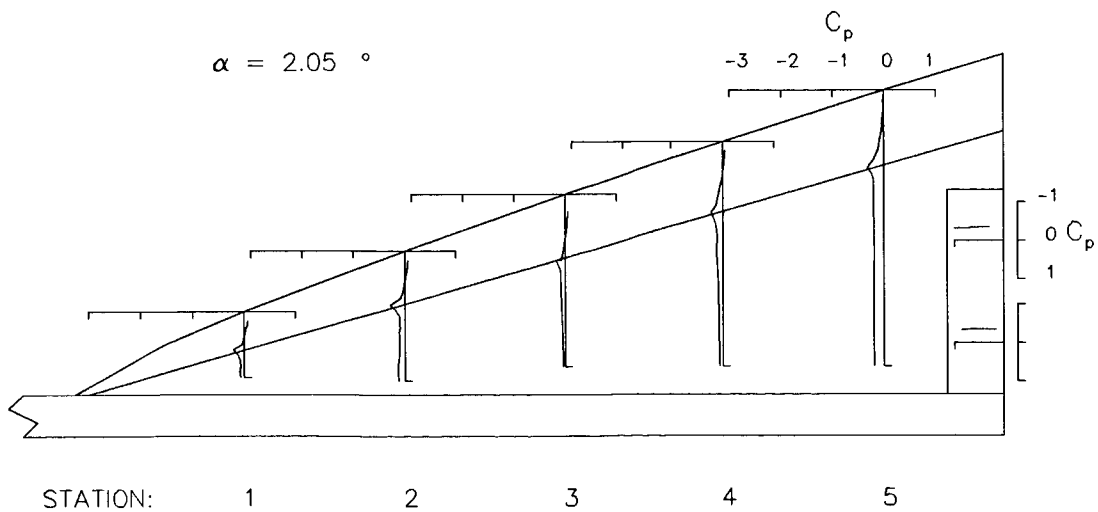
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.315
46.09	-.334	46.09	-.324
46.34	-.346	46.34	-.329
46.59	-.354	46.59	-.341
46.84	-.353	46.84	-.349
47.09	*****	47.09	-.354
47.34	-.335	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 3.971 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	.022	6.32	.017	8.34	.014	10.23	.002	12.04	-.069
	3.99	.024	6.09	.013	8.05	.003	9.90	-.008	11.68	-.044
E	3.85	-.009	5.86	-.009	7.76	-.013	9.57	-.032	11.32	-.069
	3.71	-.026	5.63	-.032	7.46	-.038	9.23	-.052	10.96	-.078
V	3.57	-.050	5.40	-.057	7.17	*****	8.90	-.106	10.60	-.121
	3.43	-.069	5.17	-.086	6.88	-.098	8.57	*****	10.24	-.158
F	3.29	-.094	4.94	-.147	6.59	-.152	8.23	-.191	9.88	-.258
	3.10	-.270	4.70	-.356	6.30	-.267	7.99	-.318	9.58	-.408
	2.90	-.203	4.50	-.266	6.10	-.232	7.79	-.275	9.38	-.356
W	2.70	-.119	4.30	-.153	5.90	-.150	7.59	-.203	9.18	-.249
	2.50	-.098	4.10	-.149	5.70	-.142	7.39	-.177	8.98	-.247
	2.30	-.142	3.90	-.142	5.50	-.135	7.19	-.160	8.78	-.246
I	2.10	-.094	3.70	-.161	5.30	-.128	6.99	-.156	8.58	-.238
			3.50	-.131	5.10	-.128	6.78	-.153	8.38	-.243
N			3.00	-.133	4.50	-.109	6.38	-.148	7.98	-.234
			2.50	-.162	3.50	-.078	5.98	-.128	7.38	-.217
			2.00	-.144	2.50	-.065	5.50	-.113	6.50	-.210
G							4.50	-.099	5.50	-.212
							3.50	-.092	4.50	-.206
							2.50	-.077	3.50	-.202
									2.50	-.203

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.385
46.34	-.391
46.59	-.384
46.84	-.372
47.09	*****
47.34	-.330

OUTBOARD

X IN.	CP
45.84	-.313
46.09	-.327
46.34	-.333
46.59	-.344
46.84	-.351
47.09	-.360
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 6.008 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.046	6.32	-.054	8.34	-.057	10.23	-.063	12.04	-.131
	3.99	-.030	6.09	-.046	8.05	-.059	9.90	-.069	11.68	-.107
E	3.85	-.066	5.86	-.066	7.76	-.068	9.57	-.089	11.32	-.125
	3.71	-.087	5.63	-.086	7.46	-.094	9.23	-.105	10.96	-.133
V	3.57	-.106	5.40	-.114	7.17	*****	8.90	-.159	10.60	-.176
	3.43	-.124	5.17	-.142	6.88	-.152	8.57	*****	10.24	-.220
F	3.29	-.151	4.94	-.208	6.59	-.212	8.23	-.244	9.88	-.325
	3.10	-.319	4.70	-.405	6.30	-.329	7.99	-.384	9.58	-.485
	2.90	-.279	4.50	-.323	6.10	-.401	7.79	-.346	9.38	-.488
W	2.70	-.174	4.30	-.233	5.90	-.252	7.59	-.311	9.18	-.319
	2.50	-.142	4.10	-.219	5.70	-.211	7.39	-.312	8.98	-.350
	2.30	-.214	3.90	-.203	5.50	-.176	7.19	-.208	8.78	-.284
I	2.10	-.125	3.70	-.246	5.30	-.163	6.99	-.192	8.58	-.261
			3.50	-.172	5.10	-.162	6.78	-.195	8.38	-.276
N			3.00	-.160	4.50	-.144	6.38	-.178	7.98	-.293
			2.50	-.212	3.50	-.103	5.98	-.163	7.38	-.244
			2.00	-.174	2.50	-.086	5.50	-.137	6.50	-.240
G							4.50	-.128	5.50	-.226
							3.50	-.111	4.50	-.224
							2.50	-.096	3.50	-.216
									2.50	-.211

TRAILING-EDGE FLAP

INBOARD

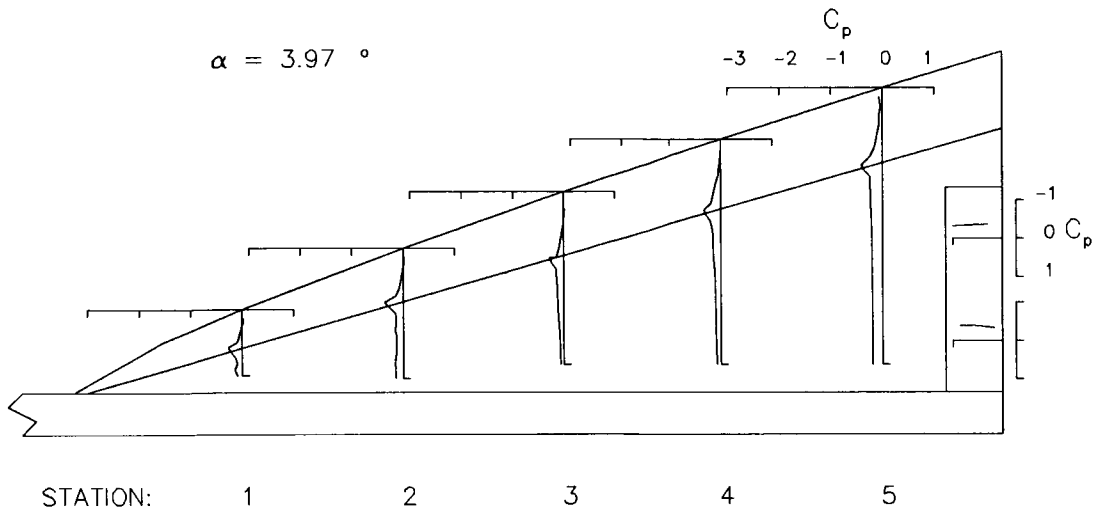
X IN.	CP
45.84	*****
46.09	-.395
46.34	-.389
46.59	-.377
46.84	-.370
47.09	*****
47.34	-.335

OUTBOARD

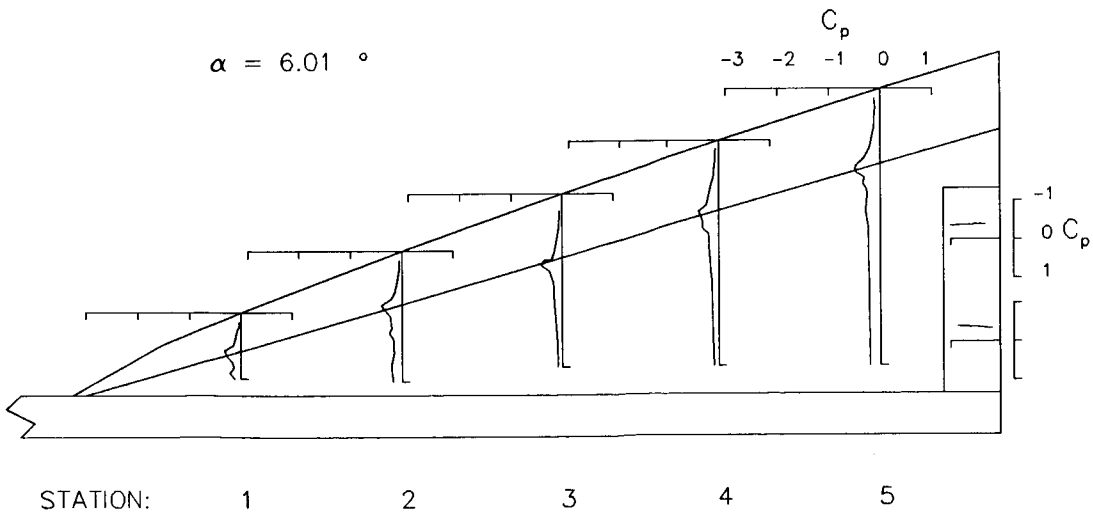
X IN.	CP
45.84	-.344
46.09	-.357
46.34	-.363
46.59	-.376
46.84	-.382
47.09	-.386
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 8.081 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.113	6.32	-.311	8.34	-.332	10.23	-.336	12.04	-.347
	3.99	-.112	6.09	-.114	8.05	-.258	9.90	-.336	11.68	-.382
E	3.85	-.137	5.86	-.113	7.76	-.126	9.57	-.183	11.32	-.326
	3.71	-.152	5.63	-.145	7.46	-.127	9.23	-.139	10.96	-.168
V	3.57	-.161	5.40	-.168	7.17	*****	8.90	-.194	10.60	-.181
	3.43	-.189	5.17	-.200	6.88	-.200	8.57	*****	10.24	-.234
F	3.29	-.212	4.94	-.261	6.59	-.252	8.23	-.285	9.88	-.355
	3.10	-.362	4.70	-.463	6.30	-.335	7.99	-.379	9.58	-.433
	2.90	-.331	4.50	-.338	6.10	-.375	7.79	-.375	9.38	-.492
W	2.70	-.264	4.30	-.377	5.90	-.387	7.59	-.349	9.18	-.454
	2.50	-.198	4.10	-.308	5.70	-.380	7.39	-.382	8.98	-.417
	2.30	-.319	3.90	-.312	5.50	-.285	7.19	-.381	8.78	-.330
I	2.10	-.190	3.70	-.355	5.30	-.246	6.99	-.323	8.58	-.328
			3.50	-.288	5.10	-.255	6.78	-.272	8.38	-.350
			3.00	-.214	4.50	-.218	6.38	-.256	7.98	-.394
N			2.50	-.244	3.50	-.134	5.98	-.264	7.38	-.344
			2.00	-.196	2.50	-.101	5.50	-.211	6.50	-.305
G							4.50	-.157	5.50	-.261
							3.50	-.127	4.50	-.235
							2.50	-.104	3.50	-.229
									2.50	-.228

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.380
46.09	-.507	46.09	-.395
46.34	-.486	46.34	-.406
46.59	-.454	46.59	-.420
46.84	-.429	46.84	-.425
47.09	*****	47.09	-.425
47.34	-.352	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 10.073 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.497	6.32	-.495	8.34	-.508	10.23	-.514	12.04	-.478
	3.99	-.454	6.09	-.517	8.05	-.493	9.90	-.530	11.68	-.524
E	3.85	-.343	5.86	-.522	7.76	-.511	9.57	-.561	11.32	-.561
	3.71	-.195	5.63	-.271	7.46	-.415	9.23	-.495	10.96	-.548
V	3.57	-.188	5.40	-.151	7.17	*****	8.90	-.178	10.60	-.448
	3.43	-.205	5.17	-.200	6.88	-.186	8.57	*****	10.24	-.273
F	3.29	-.244	4.94	-.290	6.59	-.253	8.23	-.280	9.88	-.337
	3.10	-.424	4.70	-.509	6.30	-.376	7.99	-.430	9.58	-.455
	2.90	-.389	4.50	-.388	6.10	-.409	7.79	-.393	9.38	-.416
W	2.70	-.310	4.30	-.416	5.90	-.354	7.59	-.337	9.18	-.358
	2.50	-.237	4.10	-.347	5.70	-.349	7.39	-.322	8.98	-.349
	2.30	-.402	3.90	-.340	5.50	-.309	7.19	-.318	8.78	-.338
I	2.10	-.269	3.70	-.390	5.30	-.280	6.99	-.310	8.58	-.331
			3.50	-.353	5.10	-.285	6.78	-.297	8.38	-.337
			3.00	-.284	4.50	-.282	6.38	-.284	7.98	-.337
N			2.50	-.286	3.50	-.194	5.98	-.295	7.38	-.338
			2.00	-.220	2.50	-.110	5.50	-.277	6.50	-.367
G							4.50	-.218	5.50	-.317
							3.50	-.143	4.50	-.251
							2.50	-.113	3.50	-.227
									2.50	-.239

TRAILING-EDGE FLAP

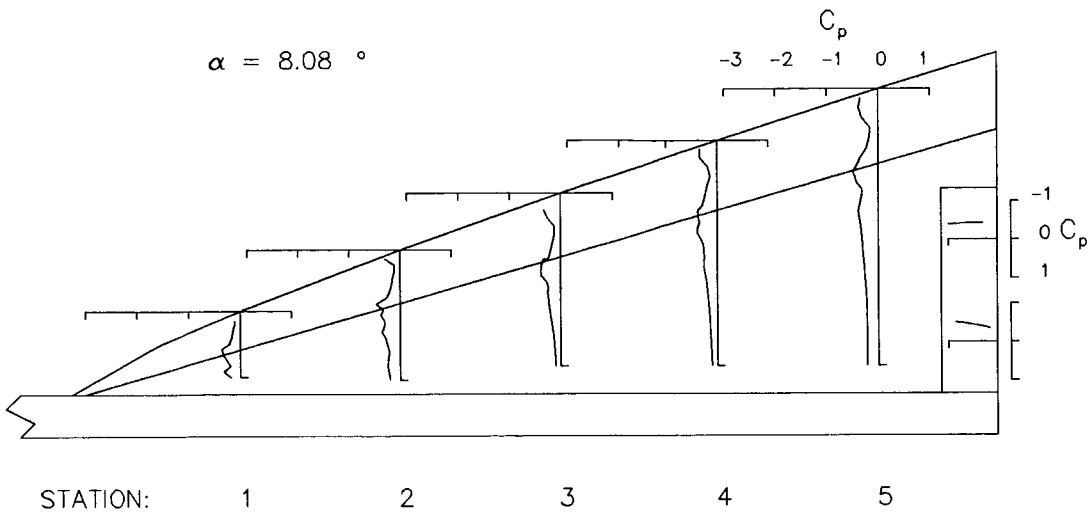
INBOARD

OUTBOARD

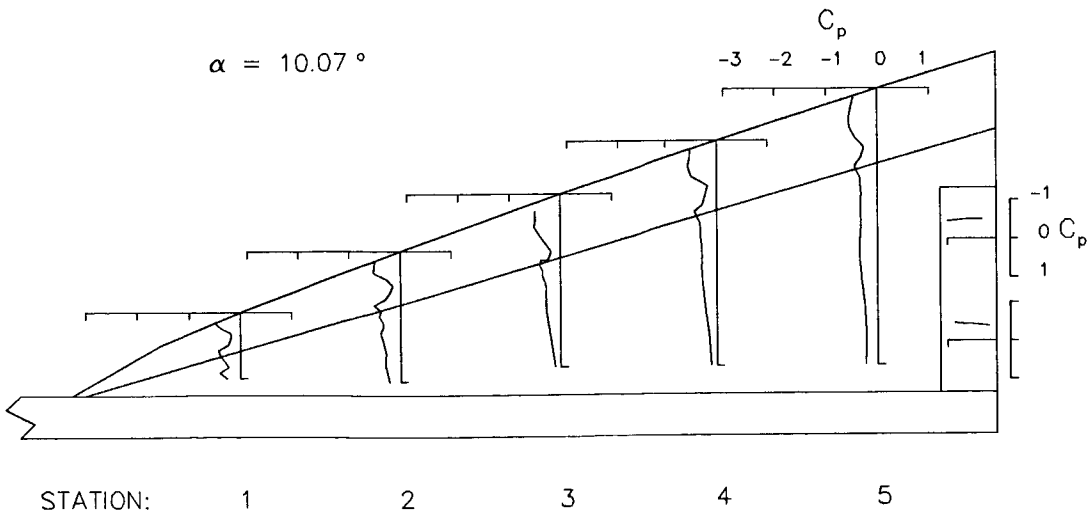
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.450
46.09	-.461	46.09	-.468
46.34	-.441	46.34	-.485
46.59	-.433	46.59	-.503
46.84	-.425	46.84	-.503
47.09	*****	47.09	-.495
47.34	-.382	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 11.050 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.600	6.32	-.588	8.34	-.613	10.23	-.603	12.04	-.548
	3.99	-.635	6.09	-.612	8.05	-.617	9.90	-.619	11.68	-.612
E	3.85	-.563	5.86	-.663	7.76	-.633	9.57	-.664	11.32	-.652
	3.71	-.374	5.63	-.546	7.46	-.616	9.23	-.655	10.96	-.670
V	3.57	-.244	5.40	-.272	7.17	*****	8.90	-.291	10.60	-.608
	3.43	-.218	5.17	-.183	6.88	-.254	8.57	*****	10.24	-.386
F	3.29	-.242	4.94	-.287	6.59	-.252	8.23	-.285	9.88	-.353
	3.10	-.466	4.70	-.535	6.30	-.423	7.99	-.427	9.58	-.448
	2.90	-.410	4.50	-.414	6.10	-.399	7.79	-.371	9.38	-.399
W	2.70	-.331	4.30	-.389	5.90	-.316	7.59	-.321	9.18	-.360
	2.50	-.246	4.10	-.337	5.70	-.301	7.39	-.299	8.98	-.339
	2.30	-.382	3.90	-.329	5.50	-.292	7.19	-.294	8.78	-.335
I	2.10	-.326	3.70	-.378	5.30	-.280	6.99	-.288	8.58	-.328
			3.50	-.330	5.10	-.272	6.78	-.278	8.38	-.324
			3.00	-.299	4.50	-.264	6.38	-.259	7.98	-.315
N			2.50	-.318	3.50	-.228	5.98	-.254	7.38	-.308
			2.00	-.233	2.50	-.120	5.50	-.250	6.50	-.332
							4.50	-.248	5.50	-.340
G							3.50	-.160	4.50	-.286
							2.50	-.115	3.50	-.229
									2.50	-.243

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.386
46.34	-.384
46.59	-.389
46.84	-.387
47.09	*****
47.34	-.372

OUTBOARD

X IN.	CP
45.84	-.502
46.09	-.518
46.34	-.537
46.59	-.556
46.84	-.556
47.09	-.524
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 10.914 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.563	6.32	-.564	8.34	-.584	10.23	-.588	12.04	-.545
	3.99	-.598	6.09	-.614	8.05	-.598	9.90	-.610	11.68	-.602
E	3.85	-.520	5.86	-.637	7.76	-.602	9.57	-.642	11.32	-.630
	3.71	-.379	5.63	-.521	7.46	-.611	9.23	-.629	10.96	-.651
V	3.57	-.236	5.40	-.247	7.17	*****	8.90	-.281	10.60	-.589
	3.43	-.220	5.17	-.185	6.88	-.238	8.57	*****	10.24	-.367
F	3.29	-.242	4.94	-.284	6.59	-.250	8.23	-.282	9.88	-.350
	3.10	-.450	4.70	-.530	6.30	-.408	7.99	-.433	9.58	-.447
	2.90	-.412	4.50	-.411	6.10	-.400	7.79	-.377	9.38	-.397
W	2.70	-.328	4.30	-.397	5.90	-.317	7.59	-.318	9.18	-.352
	2.50	-.241	4.10	-.337	5.70	-.309	7.39	-.301	8.98	-.340
	2.30	-.375	3.90	-.331	5.50	-.293	7.19	-.289	8.78	-.335
I	2.10	-.315	3.70	-.380	5.30	-.278	6.99	-.289	8.58	-.327
			3.50	-.340	5.10	-.272	6.78	-.276	8.38	-.323
			3.00	-.299	4.50	-.269	6.38	-.262	7.98	-.314
N			2.50	-.315	3.50	-.225	5.98	-.263	7.38	-.309
			2.00	-.231	2.50	-.113	5.50	-.259	6.50	-.334
							4.50	-.246	5.50	-.341
G							3.50	-.156	4.50	-.279
							2.50	-.115	3.50	-.227
									2.50	-.241

TRAILING-EDGE FLAP

INBOARD

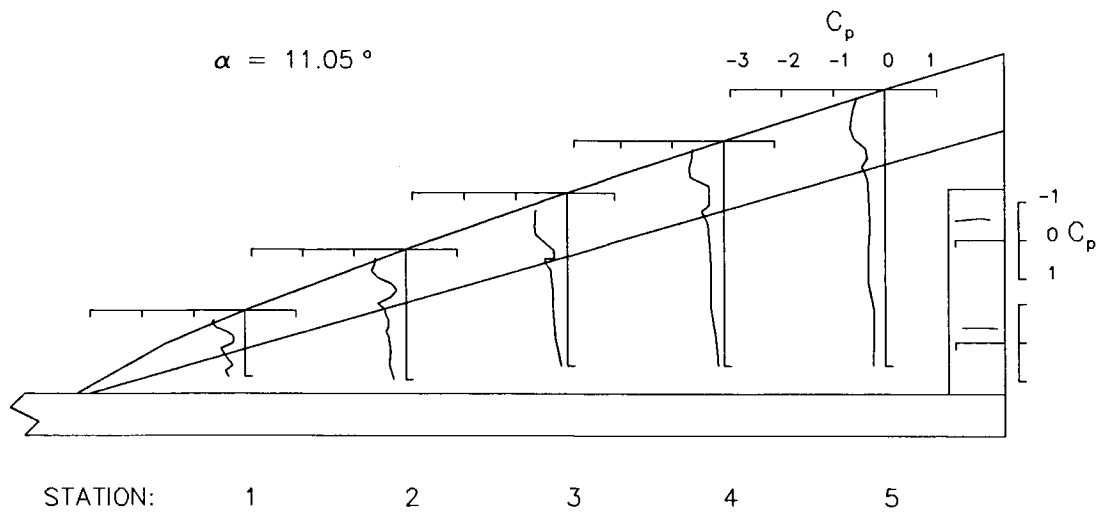
X IN.	CP
45.84	*****
46.09	-.380
46.34	-.386
46.59	-.387
46.84	-.393
47.09	*****
47.34	-.372

OUTBOARD

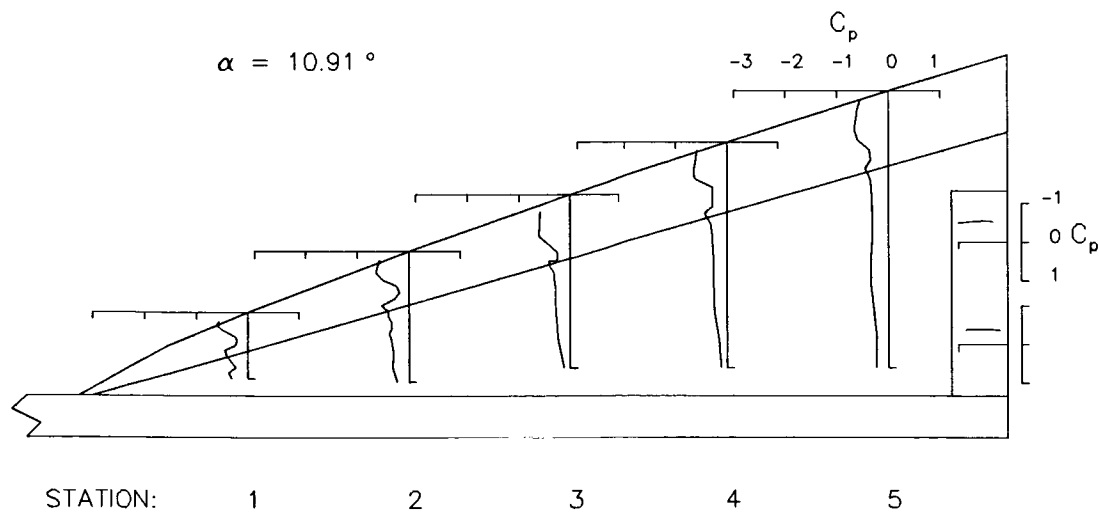
X IN.	CP
45.84	-.493
46.09	-.516
46.34	-.532
46.59	-.541
46.84	-.551
47.09	-.523
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 12.005 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.705	6.32	-.700	8.34	-.715	10.23	-.710	12.04	-.627
	3.99	-.729	6.09	-.736	8.05	-.723	9.90	-.733	11.68	-.697
E	3.85	-.732	5.86	-.787	7.76	-.741	9.57	-.776	11.32	-.741
	3.71	-.623	5.63	-.742	7.46	-.789	9.23	-.792	10.96	-.762
V	3.57	-.399	5.40	-.551	7.17	*****	8.90	-.481	10.60	-.754
	3.43	-.279	5.17	-.263	6.88	-.404	8.57	*****	10.24	-.562
F	3.29	-.248	4.94	-.271	6.59	-.269	8.23	-.321	9.88	-.422
	3.10	-.495	4.70	-.594	6.30	-.440	7.99	-.413	9.58	-.431
	2.90	-.406	4.50	-.447	6.10	-.366	7.79	-.370	9.38	-.397
W	2.70	-.341	4.30	-.348	5.90	-.307	7.59	-.333	9.18	-.372
	2.50	-.245	4.10	-.331	5.70	-.289	7.39	-.313	8.98	-.355
	2.30	-.342	3.90	-.316	5.50	-.276	7.19	-.298	8.78	-.350
I	2.10	-.349	3.70	-.353	5.30	-.265	6.99	-.291	8.58	-.333
			3.50	-.320	5.10	-.260	6.78	-.276	8.38	-.329
			3.00	-.289	4.50	-.241	6.38	-.252	7.98	-.314
N			2.50	-.357	3.50	-.242	5.98	-.243	7.38	-.304
			2.00	-.252	2.50	-.147	5.50	-.232	6.50	-.310
							4.50	-.244	5.50	-.330
G							3.50	-.199	4.50	-.320
							2.50	-.119	3.50	-.246
									2.50	-.240

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.544
46.09	-.373	46.09	-.562
46.34	-.371	46.34	-.576
46.59	-.376	46.59	-.592
46.84	-.384	46.84	-.585
47.09	*****	47.09	-.544
47.34	-.373	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 13.090 DEG.

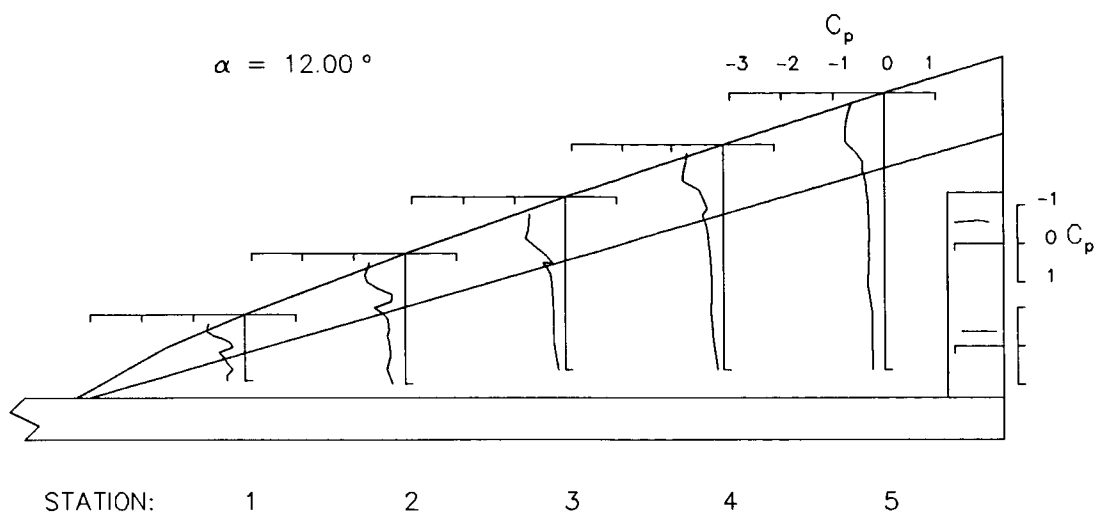
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.833	6.32	-.820	8.34	-.847	10.23	-.822	12.04	-.705
	3.99	-.873	6.09	-.861	8.05	-.864	9.90	-.843	11.68	-.776
E	3.85	-.901	5.86	-.924	7.76	-.891	9.57	-.893	11.32	-.815
	3.71	-.845	5.63	-.937	7.46	-.934	9.23	-.921	10.96	-.862
V	3.57	-.667	5.40	-.779	7.17	*****	8.90	-.707	10.60	-.886
	3.43	-.446	5.17	-.466	6.88	-.648	8.57	*****	10.24	-.762
F	3.29	-.297	4.94	-.273	6.59	-.339	8.23	-.448	9.88	-.585
	3.10	-.528	4.70	-.651	6.30	-.444	7.99	-.387	9.58	-.422
	2.90	-.393	4.50	-.419	6.10	-.373	7.79	-.359	9.38	-.409
W	2.70	-.349	4.30	-.347	5.90	-.324	7.59	-.336	9.18	-.390
	2.50	-.251	4.10	-.328	5.70	-.301	7.39	-.322	8.98	-.371
	2.30	-.330	3.90	-.310	5.50	-.285	7.19	-.307	8.78	-.363
I	2.10	-.354	3.70	-.324	5.30	-.270	6.99	-.302	8.58	-.344
			3.50	-.303	5.10	-.259	6.78	-.286	8.38	-.351
			3.00	-.290	4.50	-.233	6.38	-.259	7.98	-.325
N			2.50	-.381	3.50	-.216	5.98	-.240	7.38	-.307
			2.00	-.274	2.50	-.180	5.50	-.226	6.50	-.314
							4.50	-.216	5.50	-.302
G							3.50	-.231	4.50	-.333
							2.50	-.132	3.50	-.282
									2.50	-.244

TRAILING-EDGE FLAP

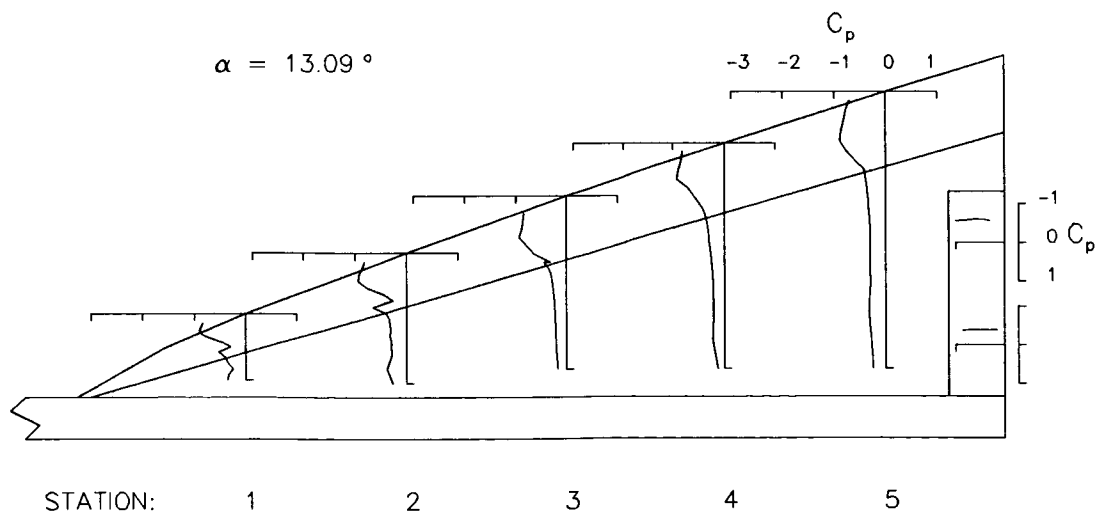
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.561
46.09	-.377	46.09	-.571
46.34	-.383	46.34	-.583
46.59	-.383	46.59	-.602
46.84	-.389	46.84	-.593
47.09	*****	47.09	-.552
47.34	-.383	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = 45.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEVF}} = 45.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 13.988 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.926	6.32	-.933	8.34	-.932	10.23	-.912	12.04	-.754
	3.99	-.982	6.09	-.968	8.05	-.954	9.90	-.924	11.68	-.824
E	3.85	-1.031	5.86	-1.051	7.76	-.997	9.57	-.987	11.32	-.860
	3.71	-1.027	5.63	-1.096	7.46	-1.071	9.23	-1.041	10.96	-.904
V	3.57	-.920	5.40	-.995	7.17	*****	8.90	-.884	10.60	-.968
	3.43	-.686	5.17	-.674	6.88	-.848	8.57	*****	10.24	-.895
F	3.29	-.391	4.94	-.350	6.59	-.454	8.23	-.632	9.88	-.753
	3.10	-.537	4.70	-.654	6.30	-.430	7.99	-.374	9.58	-.465
	2.90	-.384	4.50	-.422	6.10	-.372	7.79	-.357	9.38	-.444
W	2.70	-.340	4.30	-.363	5.90	-.328	7.59	-.337	9.18	-.415
	2.50	-.251	4.10	-.334	5.70	-.310	7.39	-.327	8.98	-.399
	2.30	-.329	3.90	-.316	5.50	-.295	7.19	-.312	8.78	-.389
I	2.10	-.330	3.70	-.327	5.30	-.274	6.99	-.316	8.58	-.367
			3.50	-.296	5.10	-.265	6.78	-.293	8.38	-.354
			3.00	-.292	4.50	-.232	6.38	-.267	7.98	-.332
N			2.50	-.375	3.50	-.210	5.98	-.241	7.38	-.308
			2.00	-.294	2.50	-.201	5.50	-.221	6.50	-.311
G							5.00	-.212	5.50	-.300
							4.50	-.234	4.50	-.325
							3.50	-.147	3.50	-.298
							2.50		2.50	-.247

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.554
46.09	-.397	46.09	-.553
46.34	-.404	46.34	-.575
46.59	-.404	46.59	-.591
46.84	-.403	46.84	-.590
47.09	*****	47.09	-.545
47.34	-.397	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 14.934 DEG.

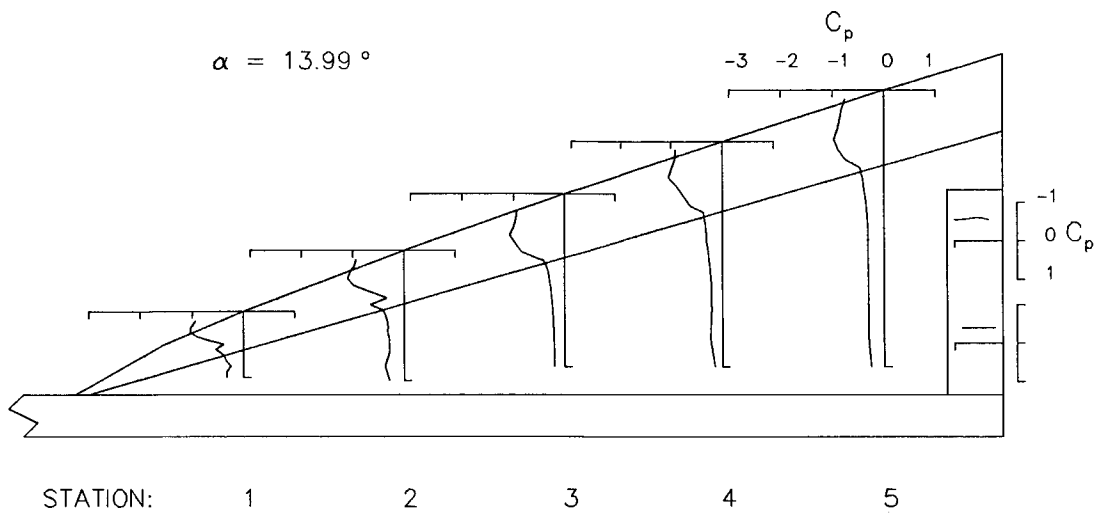
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.047	6.32	-1.048	8.34	-1.039	10.23	-.995	12.04	-.792
	3.99	-1.117	6.09	-1.075	8.05	-1.072	9.90	-1.002	11.68	-.839
E	3.85	-1.182	5.86	-1.189	7.76	-1.113	9.57	-1.071	11.32	-.879
	3.71	-1.197	5.63	-1.242	7.46	-1.206	9.23	-1.151	10.96	-.940
V	3.57	-1.115	5.40	-1.180	7.17	*****	8.90	-1.033	10.60	-1.010
	3.43	-.895	5.17	-.924	6.88	-1.013	8.57	*****	10.24	-.962
F	3.29	-.541	4.94	-.498	6.59	-.622	8.23	-.821	9.88	-.924
	3.10	-.520	4.70	-.622	6.30	-.416	7.99	-.420	9.58	-.634
	2.90	-.373	4.50	-.435	6.10	-.363	7.79	-.374	9.38	-.581
W	2.70	-.340	4.30	-.364	5.90	-.326	7.59	-.346	9.18	-.521
	2.50	-.255	4.10	-.344	5.70	-.313	7.39	-.332	8.98	-.474
	2.30	-.327	3.90	-.319	5.50	-.304	7.19	-.321	8.78	-.433
I	2.10	-.322	3.70	-.336	5.30	-.285	6.99	-.319	8.58	-.389
			3.50	-.299	5.10	-.274	6.78	-.303	8.38	-.367
			3.00	-.293	4.50	-.239	6.38	-.269	7.98	-.333
N			2.50	-.355	3.50	-.207	5.98	-.244	7.38	-.306
			2.00	-.314	2.50	-.216	5.50	-.225	6.50	-.305
G							4.50	-.211	5.50	-.292
							3.50	-.221	4.50	-.315
							2.50	-.162	3.50	-.306
									2.50	-.258

TRAILING-EDGE FLAP

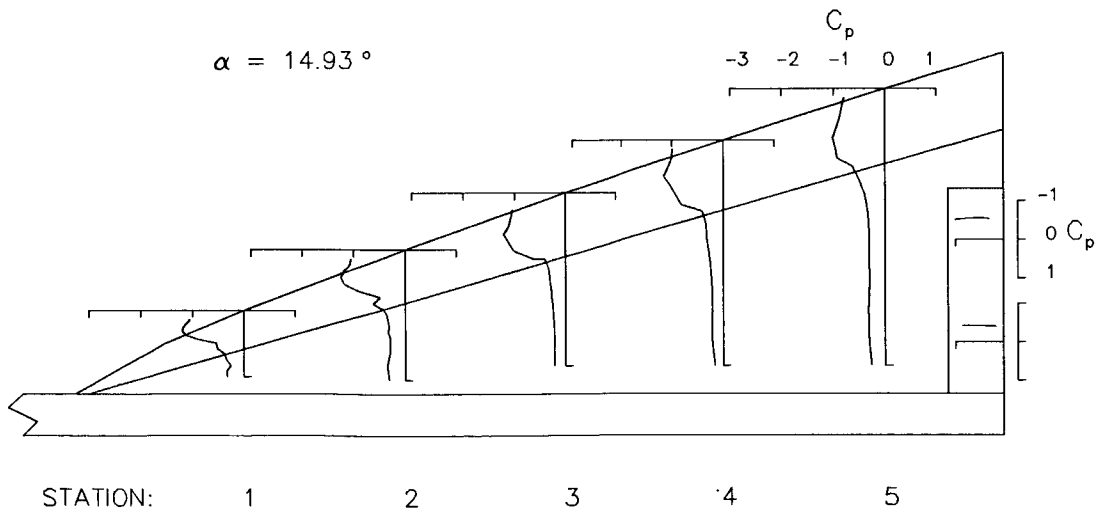
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.517
46.09	-.426	46.09	-.539
46.34	-.421	46.34	-.547
46.59	-.418	46.59	-.559
46.84	-.419	46.84	-.558
47.09	*****	47.09	-.535
47.34	-.404	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 16.100 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.201	6.32	-1.186	8.34	-1.145	10.23	-1.060	12.04	-.841
	3.99	-1.259	6.09	-1.226	8.05	-1.176	9.90	-1.085	11.68	-.858
E	3.85	-1.375	5.86	-1.331	7.76	-1.240	9.57	-1.150	11.32	-.892
	3.71	-1.428	5.63	-1.439	7.46	-1.358	9.23	-1.236	10.96	-.933
V	3.57	-1.361	5.40	-1.410	7.17	*****	8.90	-1.217	10.60	-.999
	3.43	-1.183	5.17	-1.195	6.88	-1.261	8.57	*****	10.24	-1.021
F	3.29	-.803	4.94	-.755	6.59	-.885	8.23	-1.099	9.88	-1.102
	3.10	-.459	4.70	-.566	6.30	-.437	7.99	-.668	9.58	-.958
	2.90	-.362	4.50	-.425	6.10	-.365	7.79	-.509	9.38	-.860
W	2.70	-.336	4.30	-.365	5.90	-.331	7.59	-.429	9.18	-.806
	2.50	-.262	4.10	-.346	5.70	-.319	7.39	-.388	8.98	-.710
I	2.30	-.322	3.90	-.326	5.50	-.304	7.19	-.350	8.78	-.567
	2.10	-.304	3.70	-.342	5.30	-.292	6.99	-.335	8.58	-.498
			3.50	-.309	5.10	-.278	6.78	-.304	8.38	-.393
N			3.00	-.292	4.50	-.244	6.38	-.268	7.98	-.311
			2.50	-.336	3.50	-.210	5.98	-.242	7.38	-.296
			2.00	-.331	2.50	-.221	5.50	-.227	6.50	-.293
G							4.50	-.208	5.50	-.288
							3.50	-.218	4.50	-.299
							2.50	-.175	3.50	-.310
									2.50	-.253

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.483
46.09	-.450	46.09	-.490
46.34	-.445	46.34	-.499
46.59	-.431	46.59	-.535
46.84	-.430	46.84	-.542
47.09	*****	47.09	-.519
47.34	-.399	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 18.652 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.505	6.32	-1.419	8.34	-1.297	10.23	-1.127	12.04	-.881
	3.99	-1.584	6.09	-1.459	8.05	-1.321	9.90	-1.147	11.68	-.878
E	3.85	-1.765	5.86	-1.567	7.76	-1.349	9.57	-1.173	11.32	-.895
	3.71	-1.898	5.63	-1.741	7.46	-1.461	9.23	-1.213	10.96	-.904
V	3.57	-1.885	5.40	-1.780	7.17	*****	8.90	-1.344	10.60	-.975
	3.43	-1.748	5.17	-1.723	6.88	-1.584	8.57	*****	10.24	-1.133
F	3.29	-1.368	4.94	-1.474	6.59	-1.571	8.23	-1.708	9.88	-1.215
	3.10	-.389	4.70	-.798	6.30	-1.314	7.99	-1.619	9.58	-1.307
	2.90	-.328	4.50	-.471	6.10	-.828	7.79	-1.388	9.38	-1.382
W	2.70	-.328	4.30	-.368	5.90	-.577	7.59	-1.216	9.18	-1.385
	2.50	-.271	4.10	-.338	5.70	-.427	7.39	-.993	8.98	-1.314
I	2.30	-.339	3.90	-.317	5.50	-.304	7.19	-.729	8.78	-1.227
	2.10	-.311	3.70	-.349	5.30	-.256	6.99	-.542	8.58	-1.060
			3.50	-.310	5.10	-.251	6.78	-.342	8.38	-.852
N			3.00	-.303	4.50	-.245	6.38	-.205	7.98	-.453
			2.50	-.329	3.50	-.214	5.98	-.209	7.38	-.265
			2.00	-.350	2.50	-.213	5.50	-.205	6.50	-.271
G							4.50	-.208	5.50	-.285
							3.50	-.204	4.50	-.290
							2.50	-.201	3.50	-.304
									2.50	-.277

TRAILING-EDGE FLAP

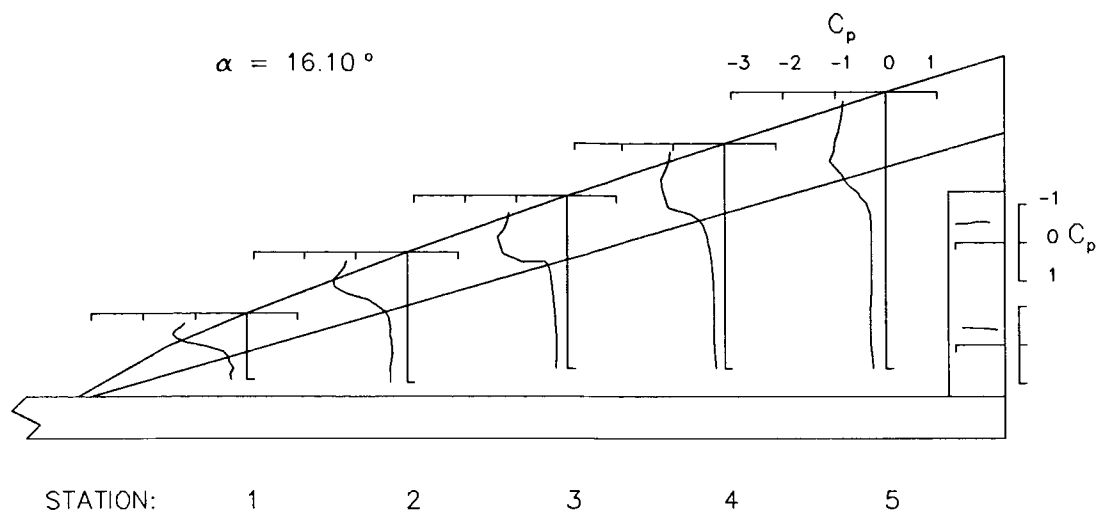
INBOARD

OUTBOARD

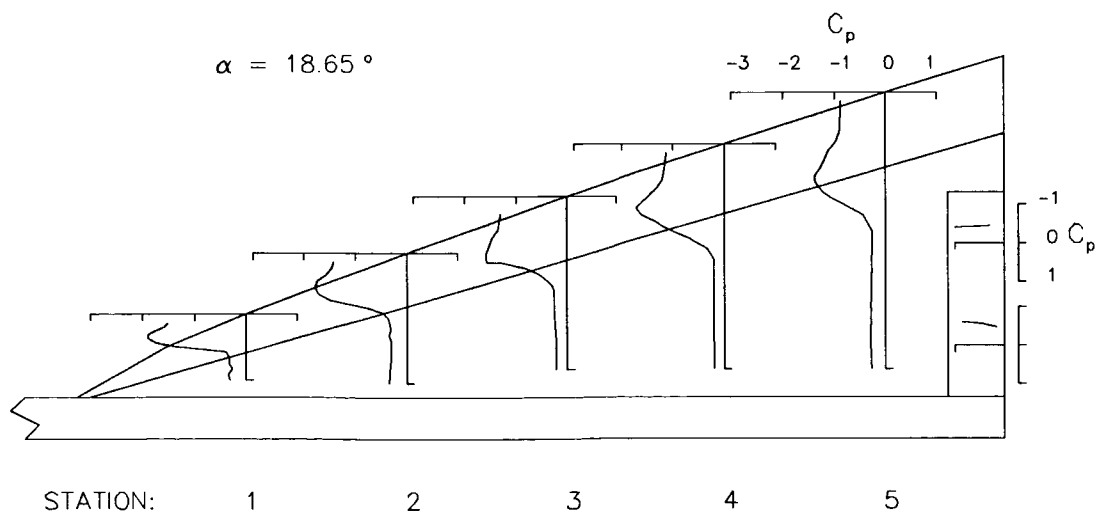
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.400
46.09	-.602	46.09	-.414
46.34	-.592	46.34	-.421
46.59	-.575	46.59	-.427
46.84	-.553	46.84	-.443
47.09	*****	47.09	-.449
47.34	-.469	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 20.787 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.741	6.32	-1.544	8.34	-1.342	10.23	-1.122	12.04	-.808
	3.99	-1.812	6.09	-1.590	8.05	-1.376	9.90	-1.140	11.68	-.819
E	3.85	-2.047	5.86	-1.642	7.76	-1.405	9.57	-1.161	11.32	-.822
	3.71	-2.359	5.63	-1.794	7.46	-1.448	9.23	-1.175	10.96	-.840
V	3.57	-2.418	5.40	-1.925	7.17	*****	8.90	-1.468	10.60	-.875
	3.43	-2.289	5.17	-2.001	6.88	-1.700	8.57	*****	10.24	-.870
F	3.29	-1.921	4.94	-1.998	6.59	-2.039	8.23	-1.489	9.88	-.887
	3.10	-.521	4.70	-1.733	6.30	-2.095	7.99	-1.616	9.58	-.918
	2.90	-.318	4.50	-.915	6.10	-1.456	7.79	-1.679	9.38	-1.040
W	2.70	-.304	4.30	-.510	5.90	-1.196	7.59	-1.637	9.18	-1.237
	2.50	-.271	4.10	-.337	5.70	-.901	7.39	-1.523	8.98	-1.371
	2.30	-.347	3.90	-.290	5.50	-.600	7.19	-1.365	8.78	-1.460
I	2.10	-.328	3.70	-.337	5.30	-.383	6.99	-1.104	8.58	-1.416
			3.50	-.303	5.10	-.288	6.78	-.831	8.38	-1.334
			3.00	-.316	4.50	-.256	6.38	-.449	7.98	-.964
N			2.50	-.346	3.50	-.236	5.98	-.301	7.38	-.515
			2.00	-.357	2.50	-.233	5.50	-.240	6.50	-.349
G							4.50	-.236	5.50	-.338
							3.50	-.222	4.50	-.334
							2.50	-.228	3.50	-.340
									2.50	-.331

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.490
46.09	-.691	46.09	-.503
46.34	-.691	46.34	-.510
46.59	-.693	46.59	-.528
46.84	-.694	46.84	-.539
47.09	*****	47.09	-.535
47.34	-.660	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= 45 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 22.922 DEG.

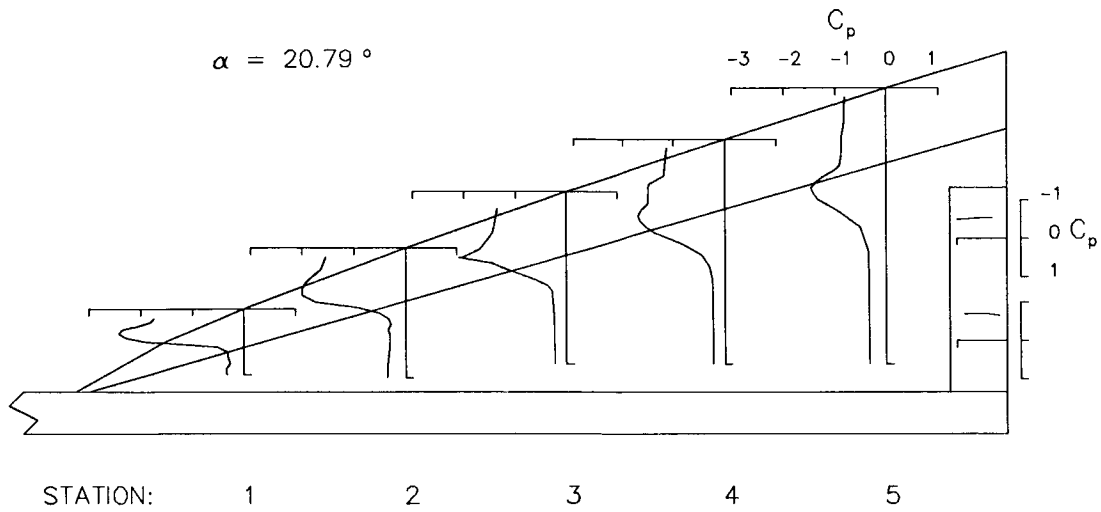
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.926	6.32	-1.635	8.34	-1.417	10.23	-1.156	12.04	-.774
	3.99	-1.982	6.09	-1.684	8.05	-1.440	9.90	-1.175	11.68	-.779
E	3.85	-2.150	5.86	-1.726	7.76	-1.444	9.57	-1.185	11.32	-.793
	3.71	-2.595	5.63	-1.828	7.46	-1.493	9.23	-1.196	10.96	-.805
V	3.57	-2.839	5.40	-2.042	7.17	*****	8.90	-1.258	10.60	-.827
	3.43	-2.749	5.17	-2.149	6.88	-2.018	8.57	*****	10.24	-.854
F	3.29	-2.408	4.94	-2.633	6.59	-2.031	8.23	-1.237	9.88	-.865
	3.10	-.748	4.70	-2.521	6.30	-2.315	7.99	-1.289	9.58	-.875
	2.90	-.364	4.50	-1.358	6.10	-1.817	7.79	-1.519	9.38	-.918
W	2.70	-.339	4.30	-.900	5.90	-1.659	7.59	-1.714	9.18	-1.020
	2.50	-.304	4.10	-.499	5.70	-1.382	7.39	-1.758	8.98	-1.174
	2.30	-.392	3.90	-.355	5.50	-1.082	7.19	-1.696	8.78	-1.336
I	2.10	-.370	3.70	-.375	5.30	-.839	6.99	-1.564	8.58	-1.429
			3.50	-.329	5.10	-.595	6.78	-1.333	8.38	-1.493
			3.00	-.350	4.50	-.351	6.38	-.903	7.98	-1.363
N			2.50	-.401	3.50	-.303	5.98	-.557	7.38	-.920
			2.00	-.401	2.50	-.293	5.50	-.402	6.50	-.579
G							4.50	-.318	5.50	-.428
							3.50	-.309	4.50	-.403
							2.50	-.283	3.50	-.396
									2.50	-.381

TRAILING-EDGE FLAP

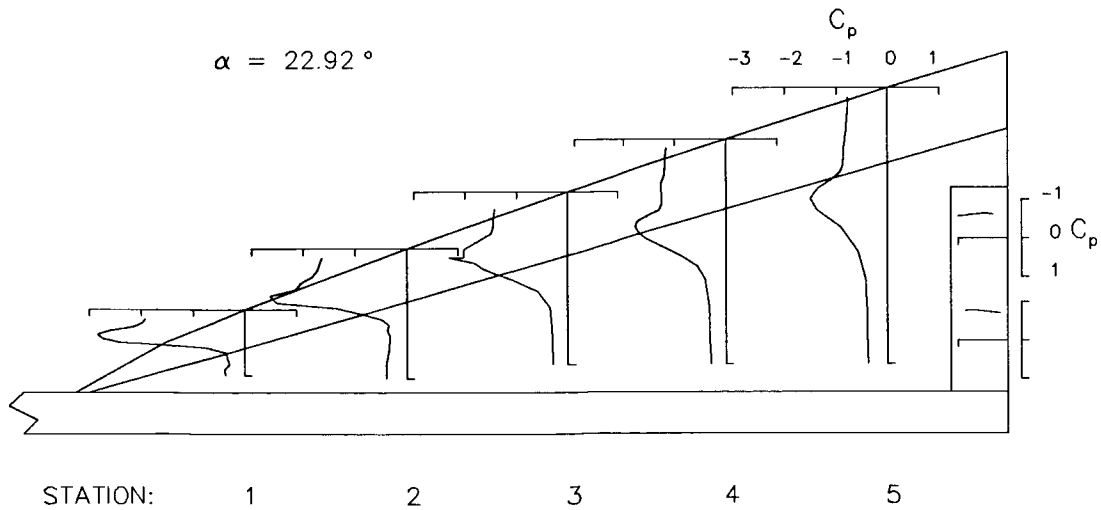
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.571
46.09	-.766	46.09	-.585
46.34	-.781	46.34	-.613
46.59	-.767	46.59	-.633
46.84	-.748	46.84	-.644
47.09	*****	47.09	-.619
47.34	-.701	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = 45.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= .122 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.299	6.32	-.223	8.34	-.156	10.23	-.131	12.04	-.145
	3.99	-.385	6.09	-.233	8.05	-.180	9.90	-.126	11.68	-.156
E	3.85	-.471	5.86	-.282	7.76	-.124	9.57	-.153	11.32	-.170
	3.71	-.263	5.63	-.409	7.46	-.238	9.23	-.163	10.96	-.171
V	3.57	-.068	5.40	-.307	7.17	*****	8.90	*****	10.60	-.205
	3.43	-.045	5.17	-.125	6.88	-.231	8.57	*****	10.24	-.259
F	3.29	-.039	4.94	-.064	6.59	-.100	8.23	-.165	9.88	-.247
	3.10	-.015	4.70	-.112	6.30	-.087	7.99	-.121	9.58	-.192
	2.90	-.030	4.50	-.099	6.10	-.049	7.79	-.138	9.38	-.241
W	2.70	-.039	4.30	-.035	5.90	-.029	7.59	-.111	9.18	-.227
	2.50	-.069	4.10	-.043	5.70	-.020	7.39	-.079	8.98	-.200
I	2.30	-.079	3.90	-.043	5.50	-.013	7.19	-.041	8.78	-.149
	2.10	-.065	3.70	-.074	5.30	-.011	6.99	-.022	8.58	-.097
			3.50	-.058	5.10	-.011	6.78	-.019	8.38	-.073
N			3.00	-.074	4.50	-.023	6.38	-.014	7.98	-.045
			2.50	-.124	3.50	-.024	5.98	-.020	7.38	-.057
			2.00	-.112	2.50	-.023	5.50	-.025	6.50	-.077
G							4.50	-.030	5.50	-.091
							3.50	-.031	4.50	-.098
							2.50	-.027	3.50	-.105
									2.50	-.109

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.154
46.34	-.095
46.59	-.047
46.84	.001
47.09	*****
47.34	.089

OUTBOARD

X IN.	CP
45.84	-.247
46.09	-.166
46.34	-.109
46.59	-.067
46.84	-.024
47.09	.427
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 2.243 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.418	6.32	-.338	8.34	-.256	10.23	-.213	12.04	-.193
	3.99	-.499	6.09	-.338	8.05	-.263	9.90	-.201	11.68	-.224
E	3.85	-.713	5.86	-.366	7.76	-.123	9.57	-.232	11.32	-.219
	3.71	-.594	5.63	-.533	7.46	-.324	9.23	-.243	10.96	-.224
V	3.57	-.322	5.40	-.540	7.17	*****	8.90	*****	10.60	-.289
	3.43	-.188	5.17	-.391	6.88	-.422	8.57	*****	10.24	-.337
F	3.29	-.143	4.94	-.245	6.59	-.279	8.23	-.294	9.88	-.317
	3.10	-.122	4.70	-.236	6.30	-.234	7.99	-.219	9.58	-.270
	2.90	-.106	4.50	-.212	6.10	-.225	7.79	-.287	9.38	-.332
W	2.70	-.099	4.30	-.130	5.90	-.186	7.59	-.298	9.18	-.374
	2.50	-.119	4.10	-.110	5.70	-.150	7.39	-.262	8.98	-.365
I	2.30	-.132	3.90	-.096	5.50	-.098	7.19	-.202	8.78	-.326
	2.10	-.116	3.70	-.125	5.30	-.068	6.99	-.161	8.58	-.265
			3.50	-.096	5.10	-.051	6.78	-.108	8.38	-.212
N			3.00	-.108	4.50	-.045	6.38	-.052	7.98	-.110
			2.50	-.163	3.50	-.050	5.98	-.038	7.38	-.069
			2.00	-.148	2.50	-.050	5.50	-.037	6.50	-.075
G							4.50	-.045	5.50	-.094
							3.50	-.048	4.50	-.103
							2.50	-.045	3.50	-.110
									2.50	-.117

TRAILING-EDGE FLAP

INBOARD

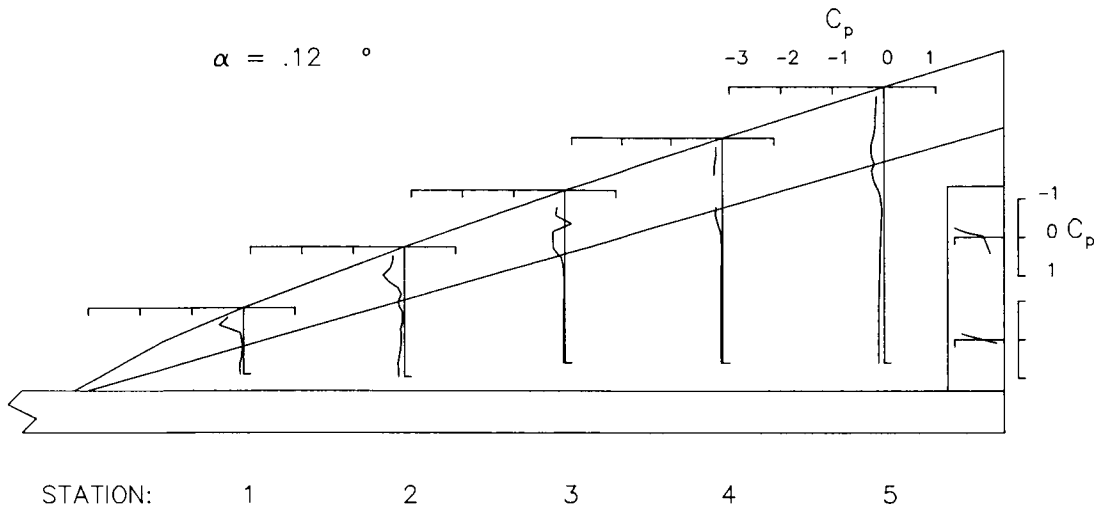
X IN.	CP
45.84	*****
46.09	-.153
46.34	-.093
46.59	-.047
46.84	.000
47.09	*****
47.34	.095

OUTBOARD

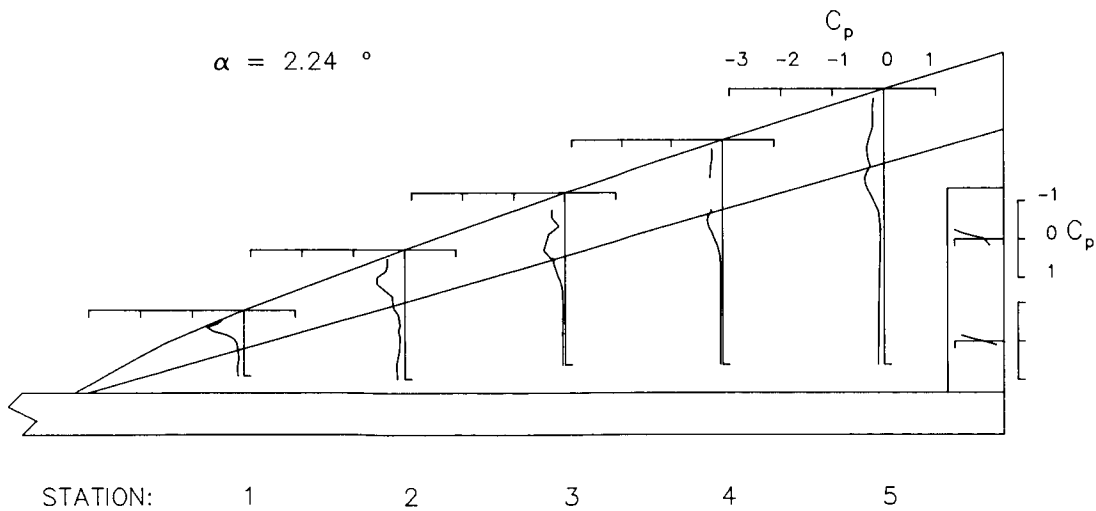
X IN.	CP
45.84	-.249
46.09	-.168
46.34	-.111
46.59	-.067
46.84	-.025
47.09	.168
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

~~224~~

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 4.239 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.561	6.32	-.458	8.34	-.357	10.23	-.299	12.04	-.242
	3.99	-.620	6.09	-.440	8.05	-.350	9.90	-.267	11.68	-.255
E	3.85	-.857	5.86	-.465	7.76	-.294	9.57	-.302	11.32	-.261
	3.71	-.882	5.63	-.641	7.46	-.427	9.23	-.338	10.96	-.273
V	3.57	-.644	5.40	-.720	7.17	*****	8.90	*****	10.60	-.368
	3.43	-.431	5.17	-.613	6.88	-.556	8.57	*****	10.24	-.405
F	3.29	-.299	4.94	-.436	6.59	-.409	8.23	-.378	9.88	-.364
	3.10	-.264	4.70	-.369	6.30	-.344	7.99	-.323	9.58	-.335
	2.90	-.222	4.50	-.369	6.10	-.390	7.79	-.392	9.38	-.402
W	2.70	-.182	4.30	-.272	5.90	-.362	7.59	-.442	9.18	-.468
	2.50	-.167	4.10	-.224	5.70	-.316	7.39	-.424	8.98	-.491
	2.30	-.197	3.90	-.177	5.50	-.248	7.19	-.387	8.78	-.491
I	2.10	-.175	3.70	-.194	5.30	-.184	6.99	-.325	8.58	-.432
			3.50	-.142	5.10	-.134	6.78	-.258	8.38	-.373
			3.00	-.145	4.50	-.078	6.38	-.140	7.98	-.231
N			2.50	-.203	3.50	-.074	5.98	-.083	7.38	-.115
			2.00	-.183	2.50	-.077	5.50	-.061	6.50	-.087
							4.50	-.061	5.50	-.097
G							3.50	-.067	4.50	-.111
							2.50	-.060	3.50	-.118
									2.50	-.125

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.162
46.34	-.100
46.59	-.050
46.84	-.001
47.09	*****
47.34	.097

OUTBOARD

X IN.	CP
45.84	-.252
46.09	-.168
46.34	-.114
46.59	-.070
46.84	-.027
47.09	-.077
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 6.340 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.710	6.32	-.567	8.34	-.446	10.23	-.369	12.04	-.284
	3.99	-.779	6.09	-.560	8.05	-.442	9.90	-.334	11.68	-.285
E	3.85	-1.006	5.86	-.602	7.76	-.447	9.57	-.377	11.32	-.297
	3.71	-1.108	5.63	-.797	7.46	-.574	9.23	-.454	10.96	-.335
V	3.57	-.944	5.40	-.885	7.17	*****	8.90	*****	10.60	-.438
	3.43	-.709	5.17	-.807	6.88	-.685	8.57	*****	10.24	-.454
F	3.29	-.514	4.94	-.626	6.59	-.529	8.23	-.455	9.88	-.418
	3.10	-.453	4.70	-.540	6.30	-.464	7.99	-.417	9.58	-.398
	2.90	-.386	4.50	-.542	6.10	-.539	7.79	-.485	9.38	-.459
W	2.70	-.319	4.30	-.463	5.90	-.561	7.59	-.567	9.18	-.543
	2.50	-.239	4.10	-.404	5.70	-.519	7.39	-.588	8.98	-.593
	2.30	-.278	3.90	-.318	5.50	-.443	7.19	-.565	8.78	-.627
I	2.10	-.249	3.70	-.303	5.30	-.361	6.99	-.514	8.58	-.599
			3.50	-.223	5.10	-.276	6.78	-.453	8.38	-.558
			3.00	-.193	4.50	-.137	6.38	-.294	7.98	-.399
N			2.50	-.242	3.50	-.108	5.98	-.169	7.38	-.215
			2.00	-.235	2.50	-.109	5.50	-.111	6.50	-.126
							4.50	-.088	5.50	-.112
G							3.50	-.088	4.50	-.121
							2.50	-.080	3.50	-.127
									2.50	-.136

TRAILING-EDGE FLAP

INBOARD

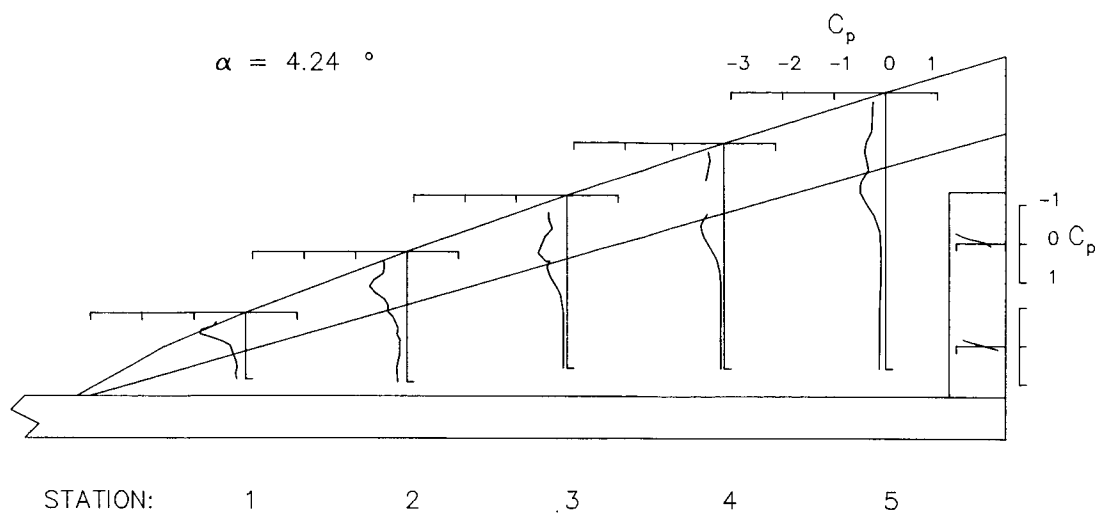
X IN.	CP
45.84	*****
46.09	-.182
46.34	-.121
46.59	-.070
46.84	-.015
47.09	*****
47.34	.093

OUTBOARD

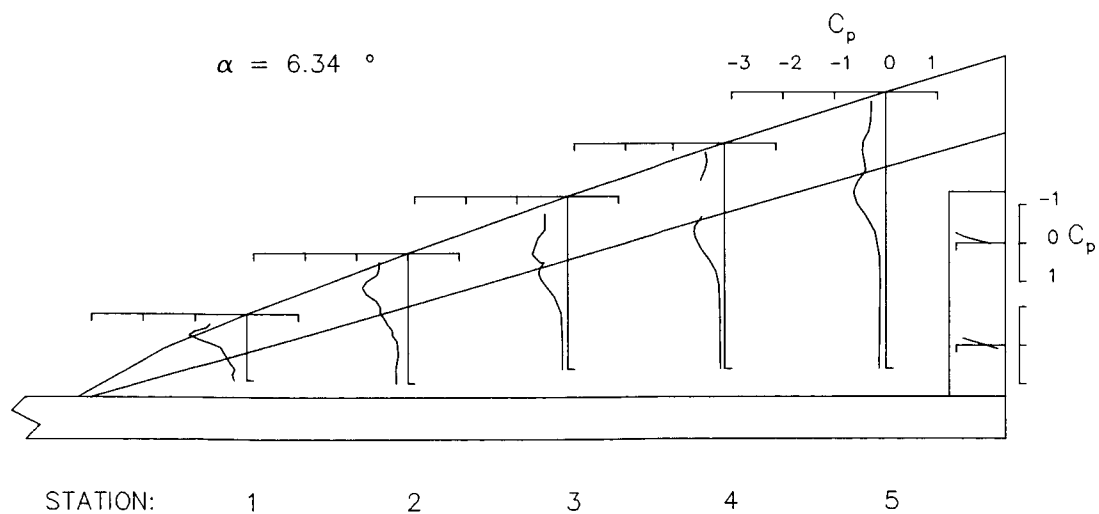
X IN.	CP
45.84	-.264
46.09	-.179
46.34	-.121
46.59	-.074
46.84	-.029
47.09	-.022
47.34	*****

Table V. Continued

$$\delta_{\text{LEVf}} = -30.0^\circ \quad \delta_{\text{TEf}} = 0.0^\circ$$



$$\delta_{\text{LEVf}} = -30.0^\circ \quad \delta_{\text{TEf}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 8.482 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.864	6.32	-.683	8.34	-.522	10.23	-.422	12.04	-.303
	3.99	-.959	6.09	-.688	8.05	-.534	9.90	-.403	11.68	-.314
E	3.85	-1.186	5.86	-.772	7.76	-.605	9.57	-.467	11.32	-.339
	3.71	-1.313	5.63	-.971	7.46	-.743	9.23	-.586	10.96	-.412
V	3.57	-1.202	5.40	-1.062	7.17	*****	8.90	*****	10.60	-.507
	3.43	-.984	5.17	-.998	6.88	-.816	8.57	*****	10.24	-.508
F	3.29	-.781	4.94	-.800	6.59	-.646	8.23	-.539	9.88	-.465
	3.10	-.694	4.70	-.697	6.30	-.592	7.99	-.509	9.58	-.453
	2.90	-.585	4.50	-.715	6.10	-.675	7.79	-.577	9.38	-.510
W	2.70	-.488	4.30	-.691	5.90	-.730	7.59	-.673	9.18	-.602
	2.50	-.348	4.10	-.613	5.70	-.719	7.39	-.720	8.98	-.671
	2.30	-.385	3.90	-.498	5.50	-.651	7.19	-.729	8.78	-.726
I	2.10	-.338	3.70	-.459	5.30	-.562	6.99	-.706	8.58	-.727
			3.50	-.345	5.10	-.451	6.78	-.643	8.38	-.724
			3.00	-.262	4.50	-.233	6.38	-.479	7.98	-.589
N			2.50	-.298	3.50	-.154	5.98	-.298	7.38	-.337
			2.00	-.285	2.50	-.139	5.50	-.197	6.50	-.188
							4.50	-.124	5.50	-.138
G							3.50	-.117	4.50	-.132
							2.50	-.104	3.50	-.138
									2.50	-.146

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.230
46.34	-.162
46.59	-.104
46.84	-.045
47.09	*****
47.34	.079

OUTBOARD

X IN.	CP
45.84	-.281
46.09	-.188
46.34	-.128
46.59	-.077
46.84	-.030
47.09	-.023
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 8.974 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.917	6.32	-.699	8.34	-.548	10.23	-.436	12.04	-.309
	3.99	-.996	6.09	-.710	8.05	-.555	9.90	-.417	11.68	-.321
E	3.85	-1.245	5.86	-.831	7.76	-.708	9.57	-.489	11.32	-.345
	3.71	-1.370	5.63	-1.026	7.46	-.786	9.23	-.609	10.96	-.419
V	3.57	-1.257	5.40	-1.109	7.17	*****	8.90	*****	10.60	-.512
	3.43	-1.039	5.17	-1.036	6.88	-.845	8.57	*****	10.24	-.511
F	3.29	-.834	4.94	-.838	6.59	-.668	8.23	-.557	9.88	-.473
	3.10	-.737	4.70	-.730	6.30	-.617	7.99	-.529	9.58	-.470
	2.90	-.641	4.50	-.746	6.10	-.705	7.79	-.593	9.38	-.518
W	2.70	-.536	4.30	-.742	5.90	-.769	7.59	-.694	9.18	-.613
	2.50	-.375	4.10	-.662	5.70	-.759	7.39	-.749	8.98	-.687
	2.30	-.419	3.90	-.554	5.50	-.699	7.19	-.755	8.78	-.741
I	2.10	-.355	3.70	-.505	5.30	-.599	6.99	-.741	8.58	-.747
			3.50	-.371	5.10	-.497	6.78	-.682	8.38	-.756
			3.00	-.277	4.50	-.253	6.38	-.528	7.98	-.628
N			2.50	-.310	3.50	-.162	5.98	-.335	7.38	-.373
			2.00	-.297	2.50	-.147	5.50	-.217	6.50	-.207
							4.50	-.137	5.50	-.144
G							3.50	-.123	4.50	-.141
							2.50	-.111	3.50	-.142
									2.50	-.151

TRAILING-EDGE FLAP

INBOARD

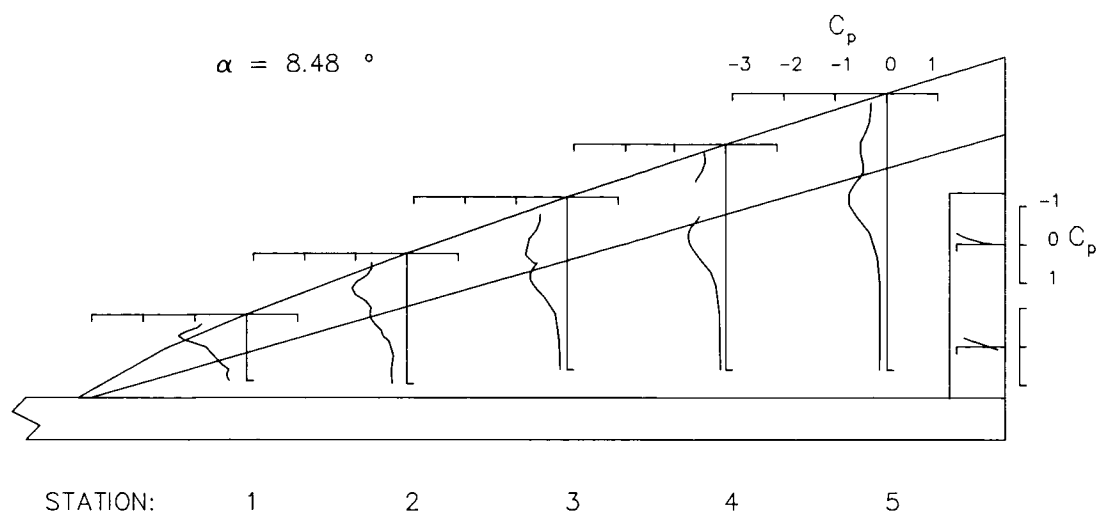
X IN.	CP
45.84	*****
46.09	-.240
46.34	-.175
46.59	-.115
46.84	-.054
47.09	*****
47.34	.073

OUTBOARD

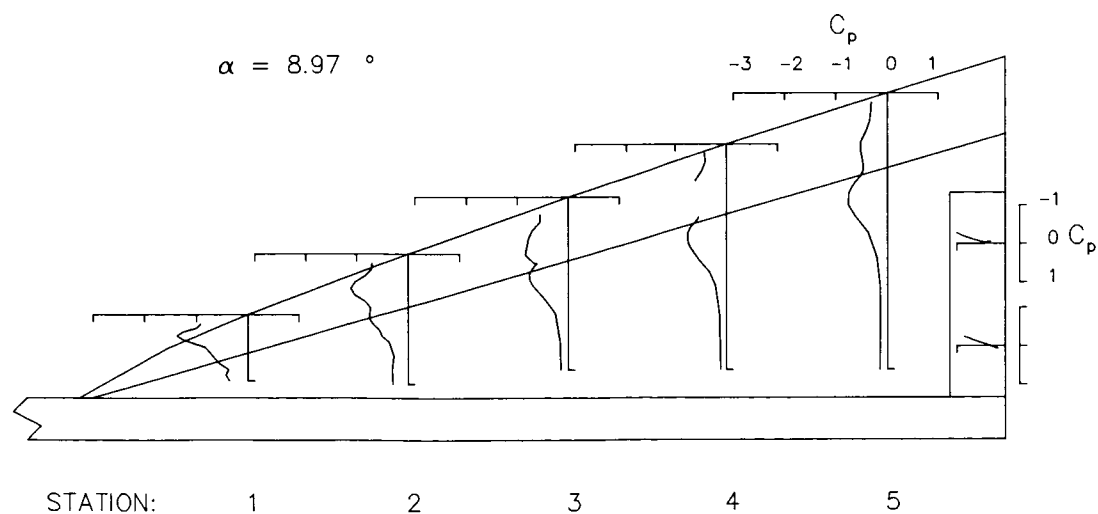
X IN.	CP
45.84	-.279
46.09	-.190
46.34	-.128
46.59	-.077
46.84	-.029
47.09	-.061
47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = -30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEVF}} = -30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 10.049 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.002	6.32	-.756	8.34	-.593	10.23	-.475	12.04	-.320
	3.99	-1.105	6.09	-.792	8.05	-.604	9.90	-.454	11.68	-.336
E	3.85	-1.355	5.86	-.943	7.76	-.785	9.57	-.529	11.32	-.365
	3.71	-1.476	5.63	-1.131	7.46	-.853	9.23	-.655	10.96	-.442
V	3.57	-1.382	5.40	-1.214	7.17	*****	8.90	*****	10.60	-.521
	3.43	-1.192	5.17	-1.127	6.88	-.907	8.57	*****	10.24	-.519
F	3.29	-.958	4.94	-.925	6.59	-.715	8.23	-.598	9.88	-.488
	3.10	-.855	4.70	-.811	6.30	-.678	7.99	-.583	9.58	-.492
	2.90	-.761	4.50	-.844	6.10	-.769	7.79	-.636	9.38	-.537
W	2.70	-.630	4.30	-.857	5.90	-.840	7.59	-.743	9.18	-.627
	2.50	-.440	4.10	-.785	5.70	-.854	7.39	-.803	8.98	-.710
	2.30	-.483	3.90	-.599	5.50	-.801	7.19	-.838	8.78	-.776
I	2.10	-.421	3.70	-.438	5.30	-.692	6.99	-.833	8.58	-.806
			3.50	-.320	5.10	-.592	6.78	-.783	8.38	-.816
			3.00	-.344	4.90	-.319	6.38	-.623	7.98	-.717
N			2.50	-.323	4.70	-.189	6.18	-.410	7.78	-.451
			2.00		4.50	-.166	5.98	-.266	7.58	-.252
							5.78	-.165	7.38	-.167
G							5.58	-.140	7.18	-.150
							5.38	-.122	6.98	-.151
							5.18		6.78	-.159

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.282
46.09	-.272	46.09	-.194
46.34	-.198	46.34	-.131
46.59	-.141	46.59	-.079
46.84	-.074	46.84	-.028
47.09	*****	47.09	*****
47.34	.062	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 10.922 DEG.

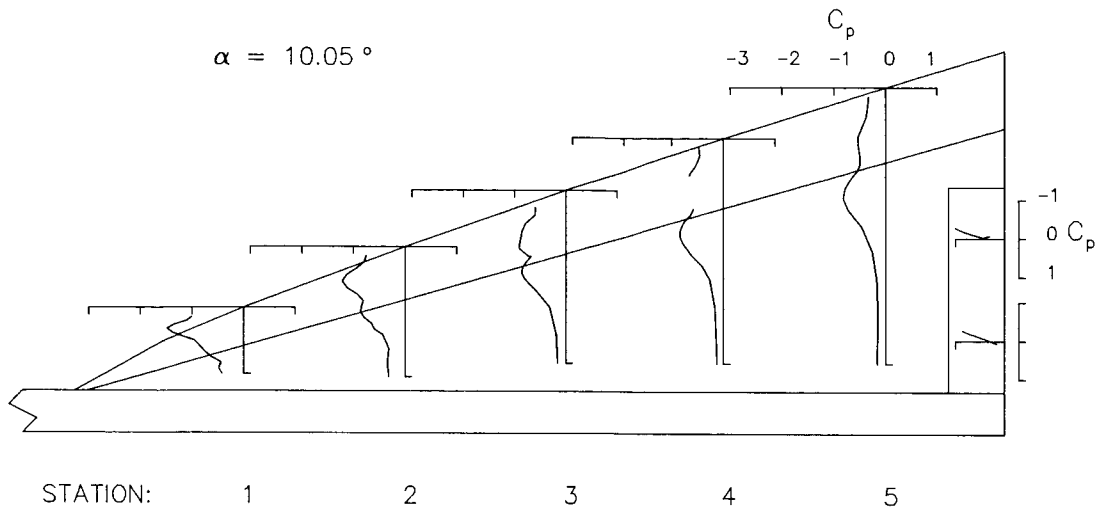
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.084	6.32	-.819	8.34	-.632	10.23	-.499	12.04	-.332
	3.99	-1.195	6.09	-.855	8.05	-.641	9.90	-.486	11.68	-.349
E	3.85	-1.444	5.86	-1.020	7.76	-.853	9.57	-.569	11.32	-.384
	3.71	-1.581	5.63	-1.222	7.46	-.912	9.23	-.693	10.96	-.458
V	3.57	-1.495	5.40	-1.295	7.17	*****	8.90	*****	10.60	-.541
	3.43	-1.299	5.17	-1.211	6.88	-.948	8.57	*****	10.24	-.532
F	3.29	-1.074	4.94	-.995	6.59	-.762	8.23	-.631	9.88	-.502
	3.10	-.946	4.70	-.889	6.30	-.732	7.99	-.617	9.58	-.512
	2.90	-.846	4.50	-.911	6.10	-.814	7.79	-.672	9.38	-.556
W	2.70	-.732	4.30	-.948	5.90	-.912	7.59	-.782	9.18	-.647
	2.50	-.500	4.10	-.871	5.70	-.927	7.39	-.853	8.98	-.730
	2.30	-.540	3.90	-.748	5.50	-.874	7.19	-.891	8.78	-.807
I	2.10	-.487	3.70	-.686	5.30	-.797	6.99	-.900	8.58	-.840
			3.50	-.513	5.10	-.687	6.78	-.854	8.38	-.875
			3.00	-.350	4.90	-.375	6.38	-.715	7.98	-.789
N			2.50	-.374	4.70	-.218	5.98	-.476	7.78	-.505
			2.00	-.348	4.50	-.185	5.78	-.321	7.58	-.296
							5.58	-.186	7.38	-.184
G							5.38	-.156	7.18	-.162
							5.18	-.137	6.98	-.161
									6.78	-.164

TRAILING-EDGE FLAP

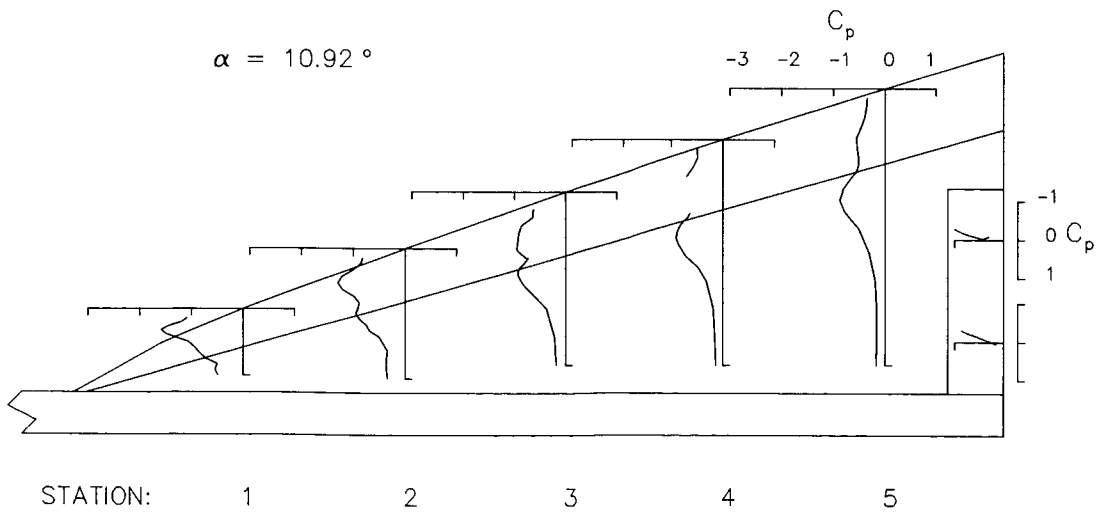
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.285
46.09	-.301	46.09	-.197
46.34	-.226	46.34	-.134
46.59	-.162	46.59	-.081
46.84	-.095	46.84	-.030
47.09	*****	47.09	-.096
47.34	.050	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 11.971 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.173	6.32	-.876	8.34	-.680	10.23	-.534	12.04	-.342
	3.99	-1.306	6.09	-.927	8.05	-.695	9.90	-.520	11.68	-.358
E	3.85	-1.563	5.86	-1.097	7.76	-.917	9.57	-.622	11.32	-.407
	3.71	-1.703	5.63	-1.300	7.46	-.980	9.23	-.741	10.96	-.483
V	3.57	-1.633	5.40	-1.377	7.17	*****	8.90	*****	10.60	-.554
	3.43	-1.447	5.17	-1.296	6.88	-1.007	8.57	*****	10.24	-.543
F	3.29	-1.203	4.94	-1.071	6.59	-.818	8.23	-.671	9.88	-.517
	3.10	-1.052	4.70	-.981	6.30	-.797	7.99	-.665	9.58	-.532
	2.90	-.980	4.50	-.994	6.10	-.878	7.79	-.717	9.38	-.573
W	2.70	-.863	4.30	-1.045	5.90	-.992	7.59	-.829	9.18	-.662
	2.50	-.593	4.10	-.986	5.70	-1.019	7.39	-.916	8.98	-.750
	2.30	-.641	3.90	-.856	5.50	-.998	7.19	-.963	8.78	-.836
I	2.10	-.533	3.70	-.806	5.30	-.912	6.99	-.974	8.58	-.885
			3.50	-.604	5.10	-.802	6.78	-.943	8.38	-.921
			3.00	-.406	4.90	-.447	6.38	-.813	7.98	-.866
N			2.50	-.409	4.50	-.252	5.98	-.578	7.38	-.583
			2.00	-.380	3.50	-.250	5.50	-.389	6.50	-.348
							4.50	-.220	5.50	-.214
G							3.50	-.175	4.50	-.178
							2.50	-.153	3.50	-.172
									2.50	-.169

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.295
46.09	-.336	46.09	-.206
46.34	-.260	46.34	-.140
46.59	-.191	46.59	-.084
46.84	-.119	46.84	-.034
47.09	*****	47.09	-.112
47.34	.034	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 12.978 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.274	6.32	-.940	8.34	-.722	10.23	-.558	12.04	-.352
	3.99	-1.433	6.09	-1.008	8.05	-.747	9.90	-.556	11.68	-.374
E	3.85	-1.681	5.86	-1.182	7.76	-.988	9.57	-.672	11.32	-.431
	3.71	-1.832	5.63	-1.391	7.46	-1.044	9.23	-.790	10.96	-.507
V	3.57	-1.769	5.40	-1.455	7.17	*****	8.90	*****	10.60	-.579
	3.43	-1.596	5.17	-1.379	6.88	-1.067	8.57	*****	10.24	-.559
F	3.29	-1.325	4.94	-1.143	6.59	-.866	8.23	-.719	9.88	-.530
	3.10	-1.144	4.70	-1.058	6.30	-.858	7.99	-.712	9.58	-.556
	2.90	-1.125	4.50	-1.059	6.10	-.944	7.79	-.761	9.38	-.595
W	2.70	-.980	4.30	-1.154	5.90	-1.067	7.59	-.874	9.18	-.681
	2.50	-.666	4.10	-1.107	5.70	-1.119	7.39	-.968	8.98	-.777
	2.30	-.708	3.90	-.986	5.50	-1.094	7.19	-1.020	8.78	-.870
I	2.10	-.578	3.70	-.916	5.30	-1.014	6.99	-1.058	8.58	-.928
			3.50	-.696	5.10	-.917	6.78	-1.039	8.38	-.974
			3.00	-.462	4.90	-.530	6.38	-.932	7.98	-.940
N			2.50	-.449	3.50	-.289	5.98	-.665	7.38	-.665
			2.00	-.412	2.50	-.234	5.50	-.455	6.50	-.405
							4.50	-.255	5.50	-.247
G							3.50	-.196	4.50	-.194
							2.50	-.168	3.50	-.180
									2.50	-.176

TRAILING-EDGE FLAP

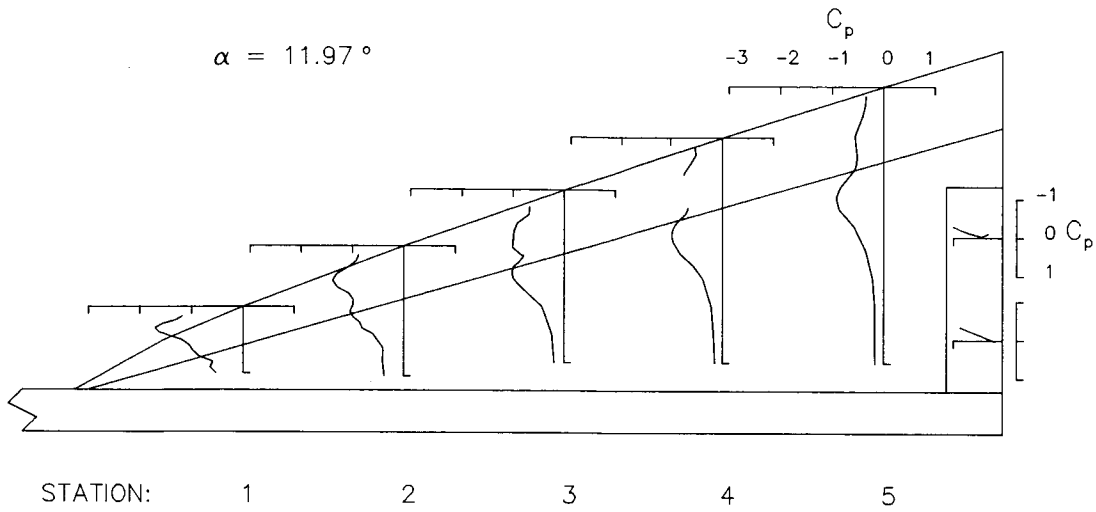
INBOARD

OUTBOARD

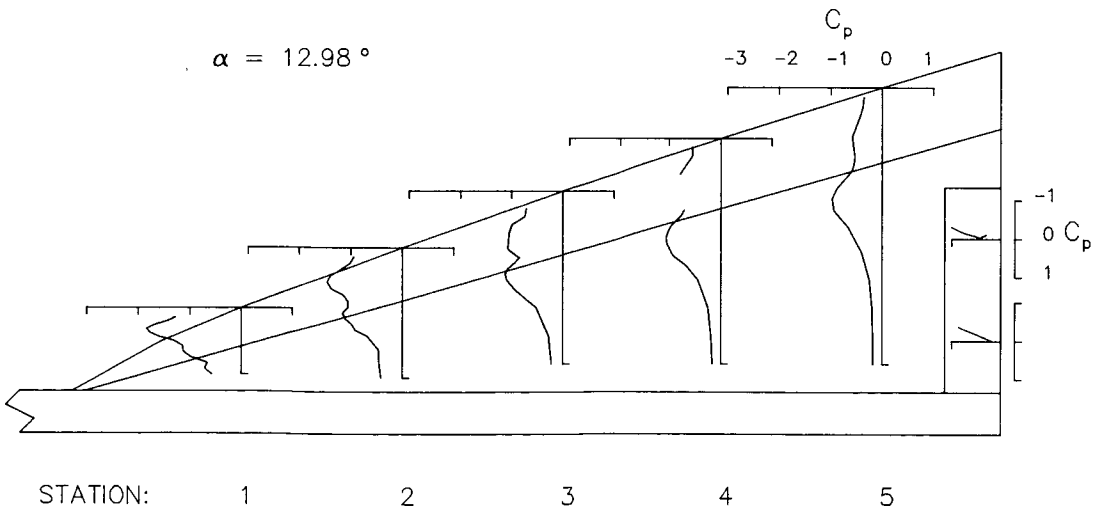
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.306
46.09	-.365	46.09	-.216
46.34	-.291	46.34	-.144
46.59	-.218	46.59	-.092
46.84	-.144	46.84	-.036
47.09	*****	47.09	-.116
47.34	.014	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = -30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEVF}} = -30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 13.974 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.365	6.32	-1.011	8.34	-.759	10.23	-.589	12.04	-.363
	3.99	-1.561	6.09	-1.075	8.05	-.798	9.90	-.591	11.68	-.388
E	3.85	-1.818	5.86	-1.277	7.76	-1.056	9.57	-.727	11.32	-.457
	3.71	-1.955	5.63	-1.463	7.46	-1.109	9.23	-.846	10.96	-.532
V	3.57	-1.910	5.40	-1.532	7.17	*****	8.90	*****	10.60	-.594
	3.43	-1.708	5.17	-1.442	6.88	-1.121	8.57	*****	10.24	-.571
F	3.29	-1.423	4.94	-1.219	6.59	-.922	8.23	-.761	9.88	-.547
	3.10	-1.224	4.70	-1.138	6.30	-.919	7.99	-.757	9.58	-.575
	2.90	-1.232	4.50	-1.150	6.10	-1.005	7.79	-.798	9.38	-.615
W	2.70	-1.090	4.30	-1.258	5.90	-1.142	7.59	-.919	9.18	-.692
	2.50	-.740	4.10	-1.232	5.70	-1.206	7.39	-1.021	8.98	-.795
	2.30	-.796	3.90	-1.091	5.50	-1.197	7.19	-1.094	8.78	-.885
I	2.10	-.643	3.70	-1.033	5.30	-1.126	6.99	-1.133	8.58	-.957
			3.50	-.797	5.10	-1.028	6.78	-1.135	8.38	-1.025
			3.00	-.530	4.50	-.619	6.38	-1.025	7.98	-1.010
N			2.50	-.486	3.50	-.329	5.98	-.752	7.38	-.729
			2.00	-.443	2.50	-.255	5.50	-.520	6.50	-.460
							4.50	-.292	5.50	-.279
G							3.50	-.217	4.50	-.217
							2.50	-.182	3.50	-.191
									2.50	-.186

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.319
46.09	-.407	46.09	-.220
46.34	-.323	46.34	-.154
46.59	-.246	46.59	-.097
46.84	-.167	46.84	-.042
47.09	*****	47.09	-.127
47.34	-.003	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 14.996 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.469	6.32	-1.077	8.34	-.805	10.23	-.615	12.04	-.371
	3.99	-1.691	6.09	-1.154	8.05	-.859	9.90	-.629	11.68	-.404
E	3.85	-1.948	5.86	-1.359	7.76	-1.137	9.57	-.778	11.32	-.477
	3.71	-2.103	5.63	-1.556	7.46	-1.194	9.23	-.893	10.96	-.550
V	3.57	-2.036	5.40	-1.616	7.17	*****	8.90	*****	10.60	-.609
	3.43	-1.825	5.17	-1.524	6.88	-1.182	8.57	*****	10.24	-.579
F	3.29	-1.555	4.94	-1.300	6.59	-.984	8.23	-.801	9.88	-.561
	3.10	-1.345	4.70	-1.210	6.30	-.972	7.99	-.803	9.58	-.599
	2.90	-1.328	4.50	-1.219	6.10	-1.063	7.79	-.843	9.38	-.633
W	2.70	-1.203	4.30	-1.363	5.90	-1.215	7.59	-.959	9.18	-.708
	2.50	-.831	4.10	-1.339	5.70	-1.297	7.39	-1.066	8.98	-.820
	2.30	-.889	3.90	-1.231	5.50	-1.294	7.19	-1.151	8.78	-.919
I	2.10	-.720	3.70	-1.153	5.30	-1.229	6.99	-1.209	8.58	-.988
			3.50	-.907	5.10	-1.140	6.78	-1.210	8.38	-1.059
			3.00	-.602	4.50	-.714	6.38	-1.143	7.98	-1.067
N			2.50	-.535	3.50	-.379	5.98	-.843	7.38	-.794
			2.00	-.482	2.50	-.280	5.50	-.594	6.50	-.521
							4.50	-.335	5.50	-.313
G							3.50	-.242	4.50	-.234
							2.50	-.203	3.50	-.206
									2.50	-.196

TRAILING-EDGE FLAP

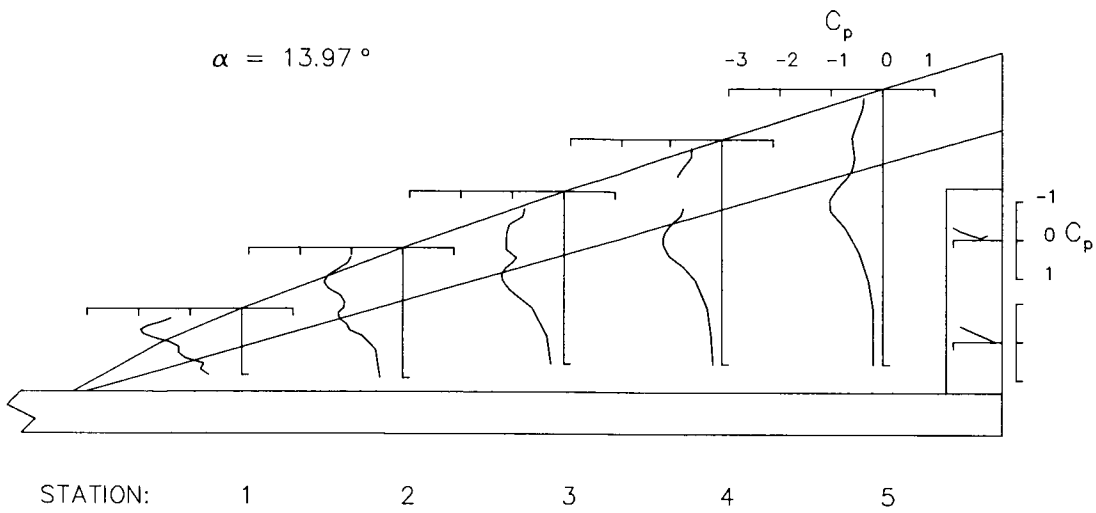
INBOARD

OUTBOARD

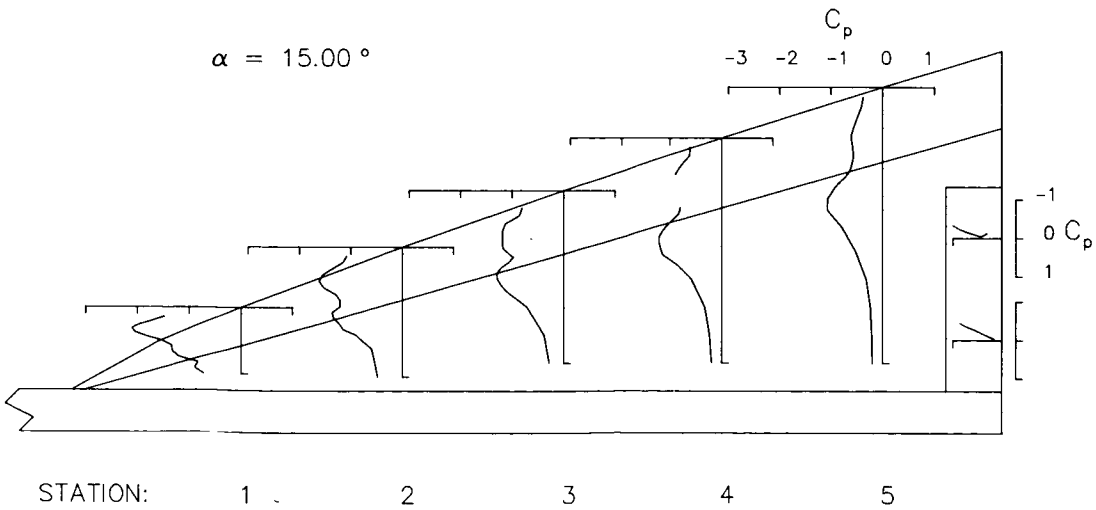
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.333
46.09	-.440	46.09	-.232
46.34	-.357	46.34	-.161
46.59	-.278	46.59	-.103
46.84	-.197	46.84	-.046
47.09	*****	47.09	-.141
47.34	-.027	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 17.268 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.712	6.32	-1.249	8.34	-.907	10.23	-.686	12.04	-.404
	3.99	-1.980	6.09	-1.371	8.05	-.997	9.90	-.711	11.68	-.445
E	3.85	-2.246	5.86	-1.574	7.76	-1.237	9.57	-.880	11.32	-.521
	3.71	-2.364	5.63	-1.741	7.46	-1.327	9.23	-.994	10.96	-.587
V	3.57	-2.284	5.40	-1.780	7.17	*****	8.90	*****	10.60	-.635
	3.43	-2.092	5.17	-1.665	6.88	-1.298	8.57	*****	10.24	-.600
F	3.29	-1.822	4.94	-1.461	6.59	-1.097	8.23	-.894	9.88	-.600
	3.10	-1.633	4.70	-1.359	6.30	-1.114	7.99	-.903	9.58	-.635
	2.90	-1.597	4.50	-1.385	6.10	-1.193	7.79	-.920	9.38	-.668
W	2.70	-1.481	4.30	-1.601	5.90	-1.365	7.59	-1.028	9.18	-.739
	2.50	-1.041	4.10	-1.630	5.70	-1.482	7.39	-1.150	8.98	-.833
	2.30	-1.119	3.90	-1.520	5.50	-1.507	7.19	-1.266	8.78	-.940
I	2.10	-.894	3.70	-1.459	5.30	-1.482	6.99	-1.349	8.58	-1.034
			3.50	-1.183	5.10	-1.395	6.78	-1.395	8.38	-1.129
N			3.00	-.770	4.50	-.920	6.38	-1.365	7.98	-1.188
			2.50	-.651	3.50	-.487	5.98	-1.062	7.38	-.945
G			2.00	-.563	2.50	-.346	5.50	-.783	6.50	-.662
							4.50	-.448	5.50	-.410
							3.50	-.309	4.50	-.293
							2.50	-.251	3.50	-.243
									2.50	-.219

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.363
46.09	-.522	46.09	-.257
46.34	-.422	46.34	-.182
46.59	-.340	46.59	-.118
46.84	-.254	46.84	-.056
47.09	*****	47.09	-.151
47.34	-.076	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 19.467 DEG.

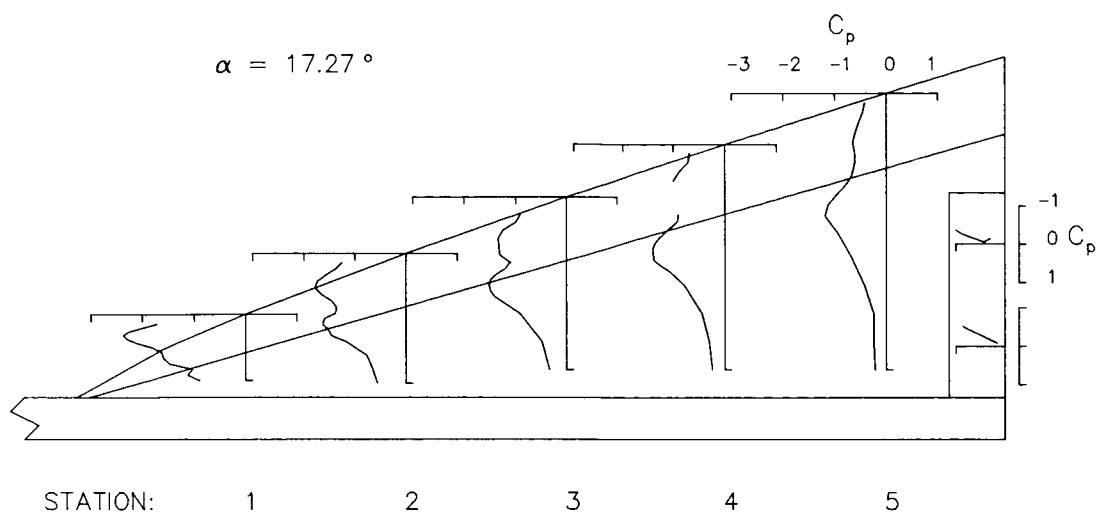
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.954	6.32	-1.388	8.34	-1.016	10.23	-.756	12.04	-.428
	3.99	-2.250	6.09	-1.533	8.05	-1.119	9.90	-.782	11.68	-.480
E	3.85	-2.524	5.86	-1.777	7.76	-1.364	9.57	-.960	11.32	-.550
	3.71	-2.631	5.63	-1.933	7.46	-1.455	9.23	-1.069	10.96	-.617
V	3.57	-2.532	5.40	-1.947	7.17	*****	8.90	*****	10.60	-.654
	3.43	-2.326	5.17	-1.853	6.88	-1.397	8.57	*****	10.24	-.619
F	3.29	-2.054	4.94	-1.631	6.59	-1.204	8.23	-.984	9.88	-.629
	3.10	-1.862	4.70	-1.501	6.30	-1.246	7.99	-1.003	9.58	-.674
	2.90	-1.845	4.50	-1.541	6.10	-1.303	7.79	-1.021	9.38	-.701
W	2.70	-1.760	4.30	-1.818	5.90	-1.509	7.59	-1.125	9.18	-.756
	2.50	-1.236	4.10	-1.862	5.70	-1.641	7.39	-1.255	8.98	-.852
	2.30	-1.331	3.90	-1.771	5.50	-1.687	7.19	-1.371	8.78	-.971
I	2.10	-1.057	3.70	-1.749	5.30	-1.682	6.99	-1.474	8.58	-1.057
			3.50	-1.448	5.10	-1.642	6.78	-1.528	8.38	-1.168
N			3.00	-.946	4.50	-1.137	6.38	-1.548	7.98	-1.283
			2.50	-.770	3.50	-.609	5.98	-1.258	7.38	-1.069
G			2.00	-.644	2.50	-.416	5.50	-.967	6.50	-.808
							4.50	-.572	5.50	-.514
							3.50	-.388	4.50	-.354
							2.50	-.302	3.50	-.281
									2.50	-.250

TRAILING-EDGE FLAP

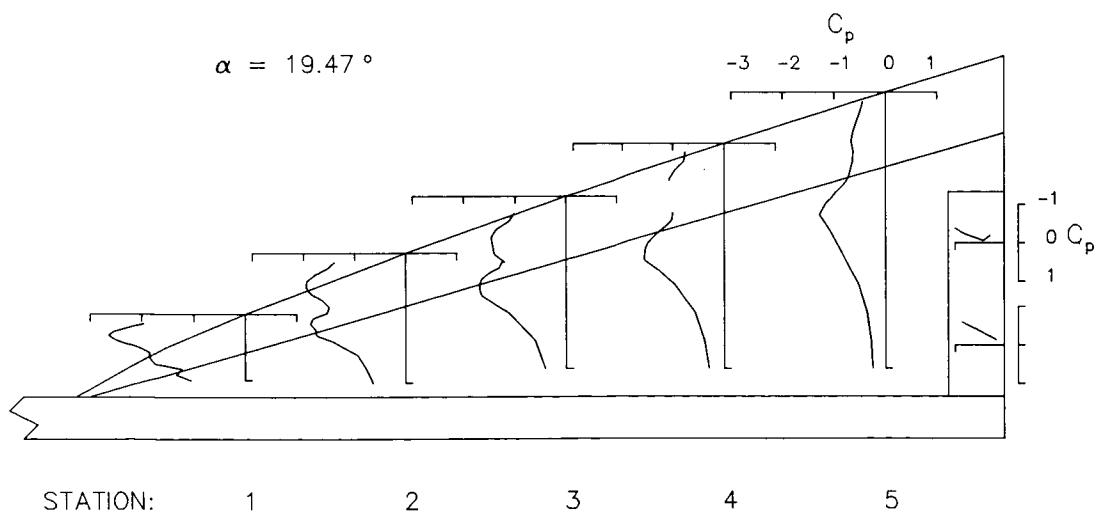
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.384
46.09	-.597	46.09	-.272
46.34	-.503	46.34	-.194
46.59	-.412	46.59	-.127
46.84	-.317	46.84	-.063
47.09	*****	47.09	-.200
47.34	-.128	47.34	*****

Table V. Continued

$$\delta_{\text{LEVf}} = -30.0^\circ \quad \delta_{\text{TEf}} = 0.0^\circ$$



$$\delta_{\text{LEVf}} = -30.0^\circ \quad \delta_{\text{TEf}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= -30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 21.628 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-2.201	6.32	-1.548	8.34	-1.131	10.23	-.837	12.04	-.452
	3.99	-2.526	6.09	-1.767	8.05	-1.248	9.90	-.858	11.68	-.518
E	3.85	-2.762	5.86	-1.996	7.76	-1.472	9.57	-1.044	11.32	-.590
	3.71	-2.862	5.63	-2.136	7.46	-1.578	9.23	-1.137	10.96	-.644
V	3.57	-2.735	5.40	-2.142	7.17	*****	8.90	*****	10.60	-.669
	3.43	-2.537	5.17	-2.023	6.88	-1.515	8.57	*****	10.24	-.643
F	3.29	-2.291	4.94	-1.742	6.59	-1.333	8.23	-1.073	9.88	-.662
	3.10	-2.127	4.70	-1.614	6.30	-1.370	7.99	-1.110	9.58	-.715
	2.90	-2.038	4.50	-1.695	6.10	-1.410	7.79	-1.113	9.38	-.740
W	2.70	-1.977	4.30	-2.030	5.90	-1.627	7.59	-1.198	9.18	-.781
	2.50	-1.422	4.10	-2.097	5.70	-1.795	7.39	-1.336	8.98	-.873
	2.30	-1.562	3.90	-2.034	5.50	-1.881	7.19	-1.472	8.78	-.986
I	2.10	-1.233	3.70	-2.037	5.30	-1.893	6.99	-1.594	8.58	-1.094
			3.50	-1.699	5.10	-1.859	6.78	-1.660	8.38	-1.223
			3.00	-1.120	4.50	-1.370	6.38	-1.738	7.98	-1.363
N			2.50	-.902	3.50	-.740	5.98	-1.457	7.38	-1.177
			2.00	-.729	2.50	-.497	5.50	-1.146	6.50	-.939
G							4.50	-.694	5.50	-.626
							3.50	-.472	4.50	-.434
							2.50	-.353	3.50	-.329
									2.50	-.277

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.397
46.09	-.668	46.09	-.288
46.34	-.562	46.34	-.206
46.59	-.468	46.59	-.140
46.84	-.372	46.84	-.070
47.09	*****	47.09	-.222
47.34	-.177	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= -30 DEG.

TEF DEFLECTION= 0 DEG.

ANGLE OF ATTACK= 23.802 DEG.

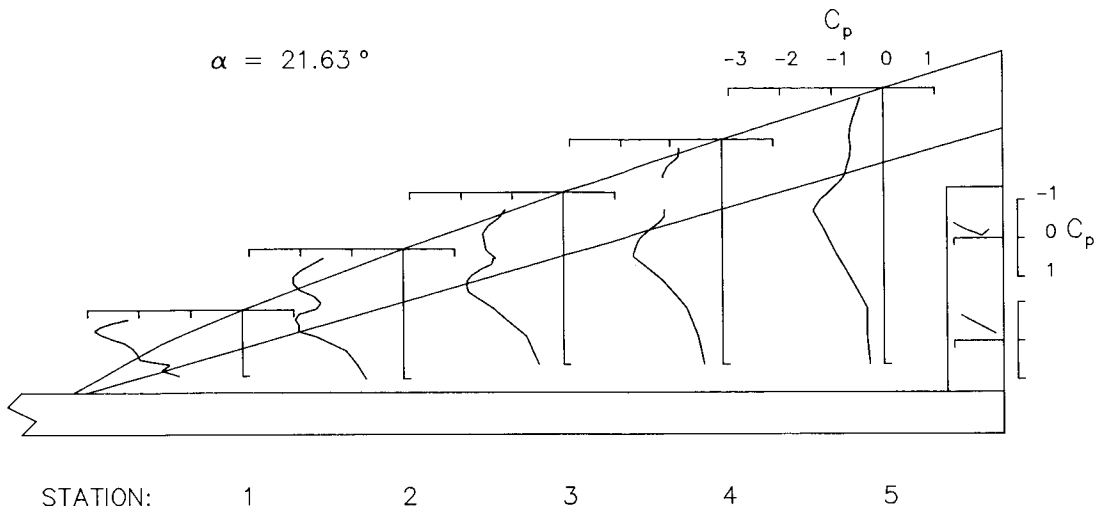
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-2.421	6.32	-1.770	8.34	-1.246	10.23	-.915	12.04	-.485
	3.99	-2.747	6.09	-2.020	8.05	-1.379	9.90	-.936	11.68	-.550
E	3.85	-3.000	5.86	-2.228	7.76	-1.605	9.57	-1.144	11.32	-.624
	3.71	-3.081	5.63	-2.353	7.46	-1.709	9.23	-1.236	10.96	-.670
V	3.57	-2.925	5.40	-2.330	7.17	*****	8.90	*****	10.60	-.697
	3.43	-2.702	5.17	-2.192	6.88	-1.629	8.57	*****	10.24	-.661
F	3.29	-2.505	4.94	-1.906	6.59	-1.454	8.23	-1.169	9.88	-.687
	3.10	-2.436	4.70	-1.794	6.30	-1.493	7.99	-1.207	9.58	-.739
	2.90	-2.229	4.50	-1.842	6.10	-1.532	7.79	-1.201	9.38	-.765
W	2.70	-2.193	4.30	-2.209	5.90	-1.751	7.59	-1.283	9.18	-.808
	2.50	-1.606	4.10	-2.351	5.70	-1.937	7.39	-1.435	8.98	-.890
	2.30	-1.780	3.90	-2.295	5.50	-2.045	7.19	-1.563	8.78	-1.004
I	2.10	-1.419	3.70	-2.335	5.30	-2.099	6.99	-1.690	8.58	-1.117
			3.50	-1.965	5.10	-2.100	6.78	-1.810	8.38	-1.258
			3.00	-1.352	4.50	-1.594	6.38	-1.917	7.98	-1.421
N			2.50	-1.047	3.50	-.889	5.98	-1.659	7.38	-1.276
			2.00	-.815	2.50	-.584	5.50	-1.324	6.50	-1.059
G							4.50	-.846	5.50	-.724
							3.50	-.566	4.50	-.508
							2.50	-.415	3.50	-.387
									2.50	-.315

TRAILING-EDGE FLAP

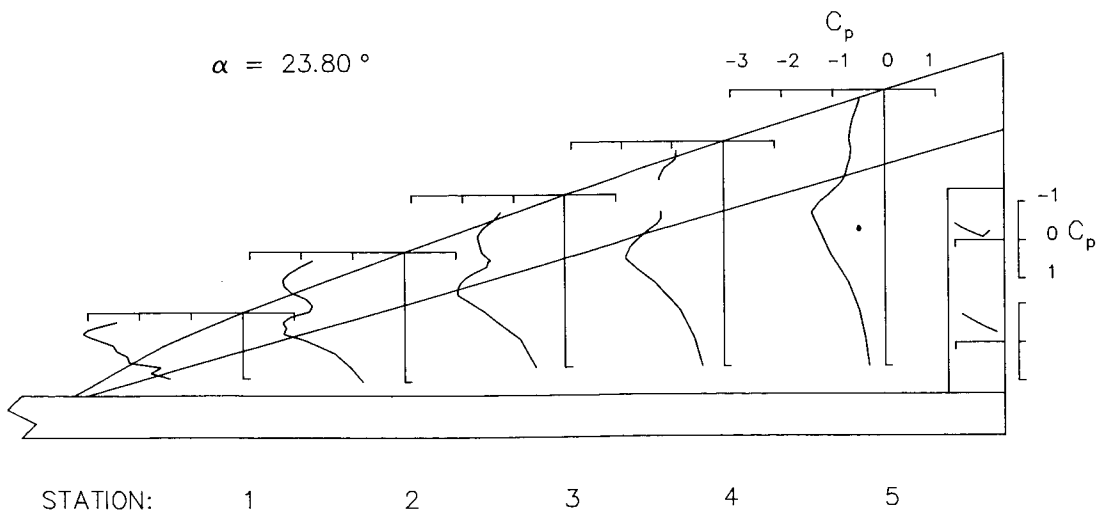
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.434
46.09	-.722	46.09	-.316
46.34	-.621	46.34	-.233
46.59	-.515	46.59	-.156
46.84	-.418	46.84	-.085
47.09	*****	47.09	-.252
47.34	-.255	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 0.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= .202 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.306	6.32	-.237	8.34	-.180	10.23	-.173	12.04	-.218
	3.99	-.395	6.09	-.247	8.05	-.207	9.90	-.157	11.68	-.242
E	3.85	-.503	5.86	-.295	7.76	-.118	9.57	-.201	11.32	-.250
	3.71	-.280	5.63	-.442	7.46	-.274	9.23	-.205	10.96	-.252
V	3.57	-.077	5.40	-.326	7.17	*****	8.90	*****	10.60	-.297
	3.43	-.053	5.17	-.141	6.88	-.269	8.57	*****	10.24	-.362
F	3.29	-.044	4.94	-.085	6.59	-.120	8.23	-.218	9.88	-.333
	3.10	-.037	4.70	-.121	6.30	-.108	7.99	-.152	9.58	-.265
	2.90	-.040	4.50	-.112	6.10	-.075	7.79	-.175	9.38	-.318
W	2.70	-.045	4.30	-.046	5.90	-.049	7.59	-.160	9.18	-.312
	2.50	-.069	4.10	-.050	5.70	-.033	7.39	-.109	8.98	-.278
	2.30	-.085	3.90	-.052	5.50	-.029	7.19	-.081	8.78	-.215
I	2.10	-.067	3.70	-.084	5.30	-.022	6.99	-.052	8.58	-.169
			3.50	-.064	5.10	-.024	6.78	-.042	8.38	-.133
			3.00	-.082	4.50	-.035	6.38	-.039	7.98	-.105
N			2.50	-.134	3.50	-.038	5.98	-.044	7.38	-.125
			2.00	-.118	2.50	-.037	5.50	-.046	6.50	-.150
							4.50	-.054	5.50	-.167
G							3.50	-.058	4.50	-.172
							2.50	-.050	3.50	-.173
									2.50	-.176

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.319
46.34	-.194
46.59	-.104
46.84	-.031
47.09	*****
47.34	.074

OUTBOARD

X IN.	CP
45.84	-.294
46.09	-.221
46.34	-.191
46.59	-.172
46.84	-.159
47.09	-.127
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 2.333 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.436	6.32	-.364	8.34	-.288	10.23	-.262	12.04	-.282
	3.99	-.519	6.09	-.360	8.05	-.298	9.90	-.234	11.68	-.317
E	3.85	-.735	5.86	-.384	7.76	-.148	9.57	-.281	11.32	-.312
	3.71	-.638	5.63	-.557	7.46	-.363	9.23	-.296	10.96	-.316
V	3.57	-.347	5.40	-.578	7.17	*****	8.90	*****	10.60	-.395
	3.43	-.205	5.17	-.418	6.88	-.461	8.57	*****	10.24	-.450
F	3.29	-.159	4.94	-.274	6.59	-.312	8.23	-.339	9.88	-.423
	3.10	-.146	4.70	-.256	6.30	-.259	7.99	-.271	9.58	-.366
	2.90	-.114	4.50	-.230	6.10	-.251	7.79	-.336	9.38	-.436
W	2.70	-.111	4.30	-.142	5.90	-.223	7.59	-.350	9.18	-.477
	2.50	-.115	4.10	-.123	5.70	-.167	7.39	-.316	8.98	-.474
	2.30	-.141	3.90	-.106	5.50	-.123	7.19	-.250	8.78	-.427
I	2.10	-.121	3.70	-.133	5.30	-.086	6.99	-.196	8.58	-.358
			3.50	-.103	5.10	-.067	6.78	-.144	8.38	-.301
			3.00	-.117	4.50	-.057	6.38	-.080	7.98	-.184
N			2.50	-.172	3.50	-.064	5.98	-.064	7.38	-.140
			2.00	-.156	2.50	-.065	5.50	-.061	6.50	-.150
							4.50	-.071	5.50	-.172
G							3.50	-.075	4.50	-.182
							2.50	-.071	3.50	-.187
									2.50	-.192

TRAILING-EDGE FLAP

INBOARD

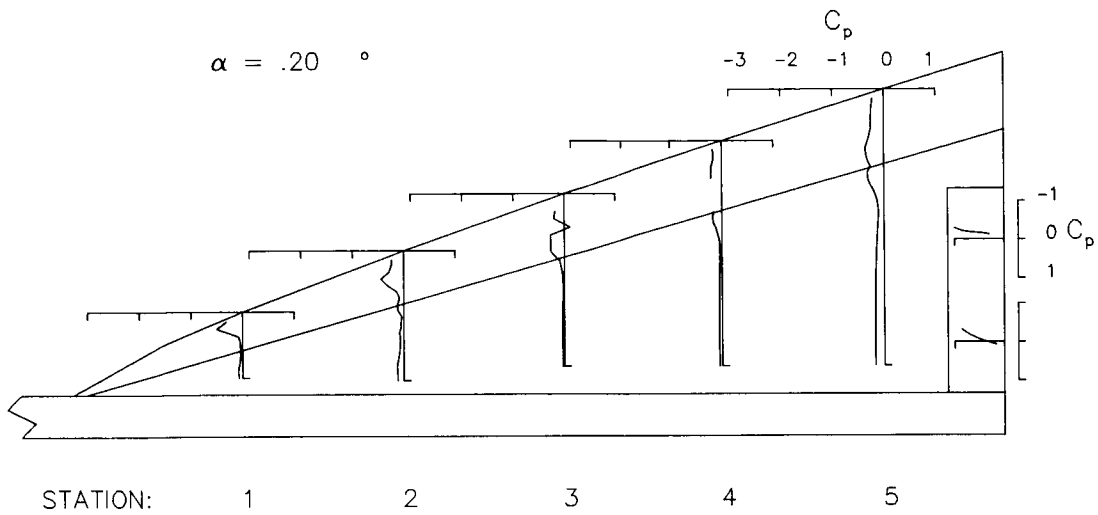
X IN.	CP
45.84	*****
46.09	-.346
46.34	-.222
46.59	-.122
46.84	-.044
47.09	*****
47.34	.079

OUTBOARD

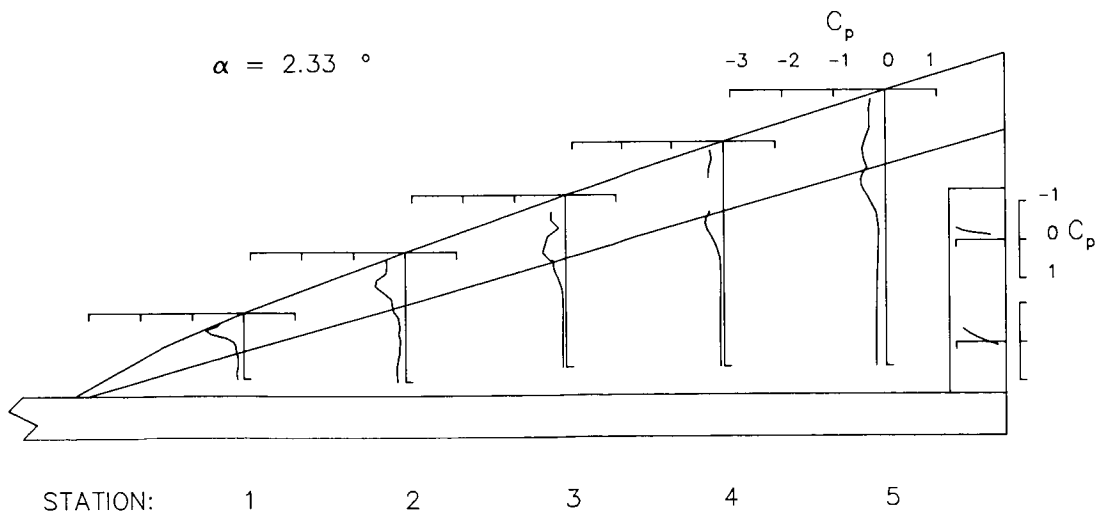
X IN.	CP
45.84	-.322
46.09	-.243
46.34	-.207
46.59	-.182
46.84	-.163
47.09	-.132
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

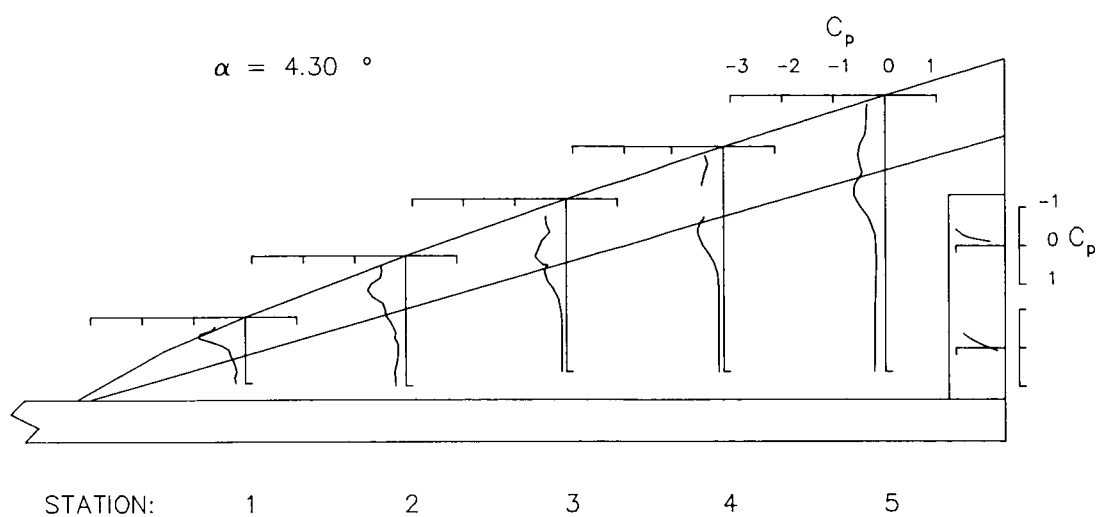
TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 4.299 DEG.

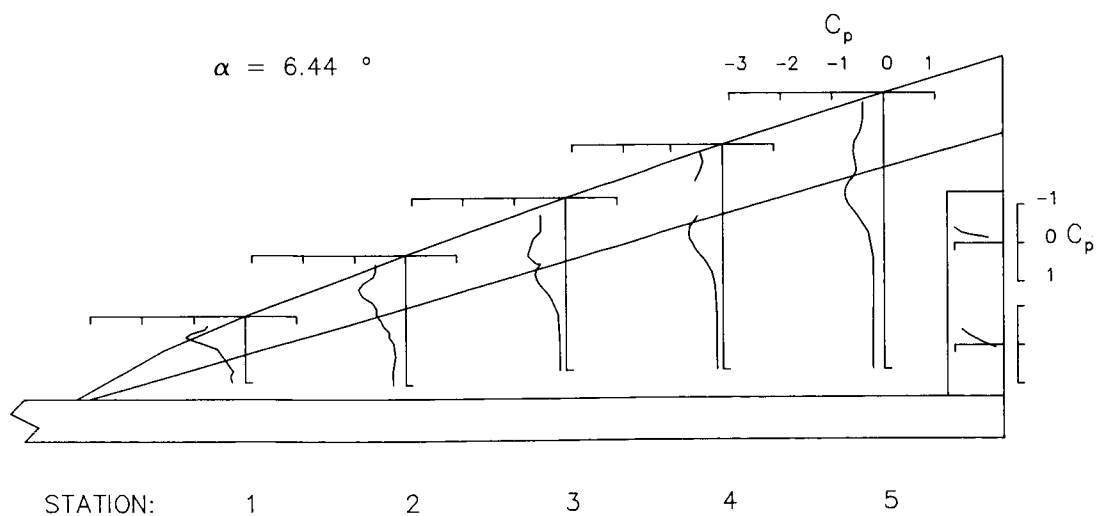
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.580	6.32	-.484	8.34	-.396	10.23	-.355	12.04	-.346
	3.99	-.642	6.09	-.470	8.05	-.387	9.90	-.303	11.68	-.361
E	3.85	-.877	5.86	-.494	7.76	-.325	9.57	-.359	11.32	-.365
	3.71	-.895	5.63	-.672	7.46	-.465	9.23	-.406	10.96	-.386
V	3.57	-.659	5.40	-.741	7.17	*****	8.90	*****	10.60	-.489
	3.43	-.448	5.17	-.642	6.88	-.596	8.57	*****	10.24	-.527
F	3.29	-.320	4.94	-.445	6.59	-.441	8.23	-.435	9.88	-.492
	3.10	-.288	4.70	-.399	6.30	-.367	7.99	-.369	9.58	-.450
	2.90	-.235	4.50	-.384	6.10	-.422	7.79	-.447	9.38	-.514
W	2.70	-.193	4.30	-.305	5.90	-.396	7.59	-.487	9.18	-.586
	2.50	-.167	4.10	-.247	5.70	-.358	7.39	-.485	8.98	-.606
	2.30	-.203	3.90	-.197	5.50	-.273	7.19	-.441	8.78	-.603
I	2.10	-.185	3.70	-.211	5.30	-.217	6.99	-.392	8.58	-.548
			3.50	-.155	5.10	-.159	6.78	-.310	8.38	-.485
			3.00	-.156	4.50	-.097	6.38	-.184	7.98	-.320
N			2.50	-.214	3.50	-.090	5.98	-.116	7.38	-.198
			2.00	-.196	2.50	-.095	5.50	-.095	6.50	-.172
							4.50	-.091	5.50	-.184
							3.50	-.097	4.50	-.195
G							2.50	-.094	3.50	-.204
									2.50	-.208

Table V. Continued

$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 8.570 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.894	6.32	-.710	8.34	-.563	10.23	-.485	12.04	-.416
	3.99	-.976	6.09	-.713	8.05	-.573	9.90	-.450	11.68	-.427
E	3.85	-1.225	5.86	-.805	7.76	-.658	9.57	-.529	11.32	-.450
	3.71	-1.346	5.63	-1.009	7.46	-.800	9.23	-.656	10.96	-.526
V	3.57	-1.238	5.40	-1.106	7.17	*****	8.90	*****	10.60	-.631
	3.43	-1.003	5.17	-1.022	6.88	-.859	8.57	*****	10.24	-.635
F	3.29	-.802	4.94	-.821	6.59	-.681	8.23	-.597	9.88	-.601
	3.10	-.696	4.70	-.745	6.30	-.620	7.99	-.573	9.58	-.587
	2.90	-.614	4.50	-.737	6.10	-.718	7.79	-.639	9.38	-.633
W	2.70	-.501	4.30	-.731	5.90	-.769	7.59	-.740	9.18	-.736
	2.50	-.355	4.10	-.636	5.70	-.765	7.39	-.791	8.98	-.808
	2.30	-.404	3.90	-.526	5.50	-.696	7.19	-.795	8.78	-.868
I	2.10	-.343	3.70	-.484	5.30	-.586	6.99	-.783	8.58	-.863
			3.50	-.364	5.10	-.486	6.78	-.701	8.38	-.860
			3.00	-.277	4.50	-.259	6.38	-.531	7.98	-.711
N			2.50	-.313	3.50	-.172	5.98	-.345	7.38	-.444
			2.00	-.297	2.50	-.158	5.50	-.231	6.50	-.281
							4.50	-.161	5.50	-.226
G							3.50	-.150	4.50	-.225
							2.50	-.136	3.50	-.226
									2.50	-.229

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.402
46.09	-.448	46.09	-.280
46.34	-.313	46.34	-.232
46.59	-.205	46.59	-.196
46.84	-.113	46.84	-.174
47.09	*****	47.09	-.142
47.34	.036	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 8.970 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.922	6.32	-.721	8.34	-.581	10.23	-.497	12.04	-.425
	3.99	-1.010	6.09	-.738	8.05	-.589	9.90	-.463	11.68	-.435
E	3.85	-1.258	5.86	-.850	7.76	-.751	9.57	-.549	11.32	-.456
	3.71	-1.395	5.63	-1.048	7.46	-.831	9.23	-.674	10.96	-.535
V	3.57	-1.270	5.40	-1.145	7.17	*****	8.90	*****	10.60	-.636
	3.43	-1.066	5.17	-1.068	6.88	-.886	8.57	*****	10.24	-.640
F	3.29	-.850	4.94	-.854	6.59	-.701	8.23	-.611	9.88	-.609
	3.10	-.732	4.70	-.769	6.30	-.643	7.99	-.592	9.58	-.596
	2.90	-.643	4.50	-.765	6.10	-.735	7.79	-.660	9.38	-.643
W	2.70	-.538	4.30	-.756	5.90	-.801	7.59	-.761	9.18	-.741
	2.50	-.377	4.10	-.691	5.70	-.796	7.39	-.808	8.98	-.823
	2.30	-.419	3.90	-.558	5.50	-.723	7.19	-.819	8.78	-.876
I	2.10	-.368	3.70	-.520	5.30	-.640	6.99	-.796	8.58	-.891
			3.50	-.387	5.10	-.524	6.78	-.746	8.38	-.889
			3.00	-.291	4.50	-.278	6.38	-.565	7.98	-.746
N			2.50	-.323	3.50	-.180	5.98	-.372	7.38	-.461
			2.00	-.308	2.50	-.166	5.50	-.252	6.50	-.296
							4.50	-.168	5.50	-.236
G							3.50	-.154	4.50	-.227
							2.50	-.143	3.50	-.232
									2.50	-.235

TRAILING-EDGE FLAP

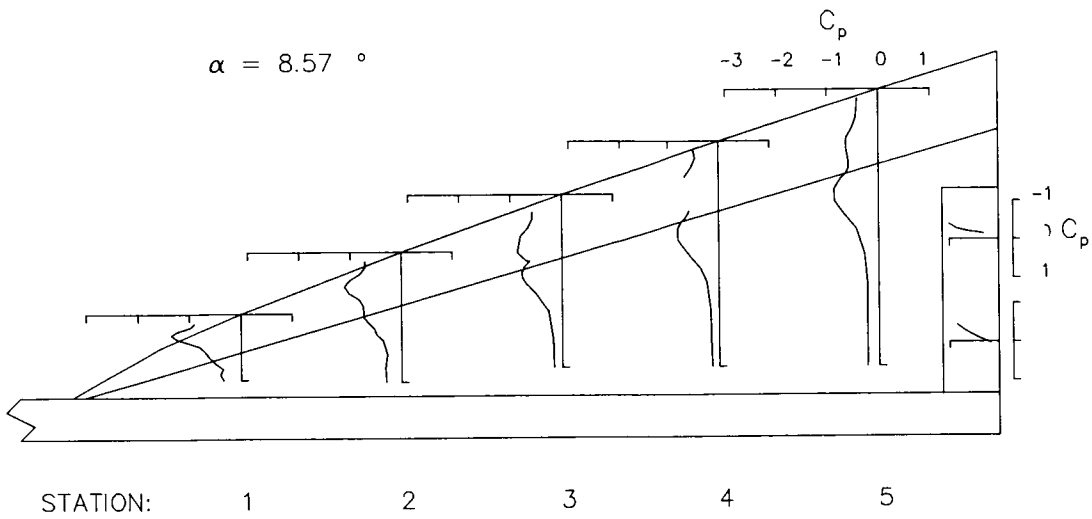
INBOARD

OUTBOARD

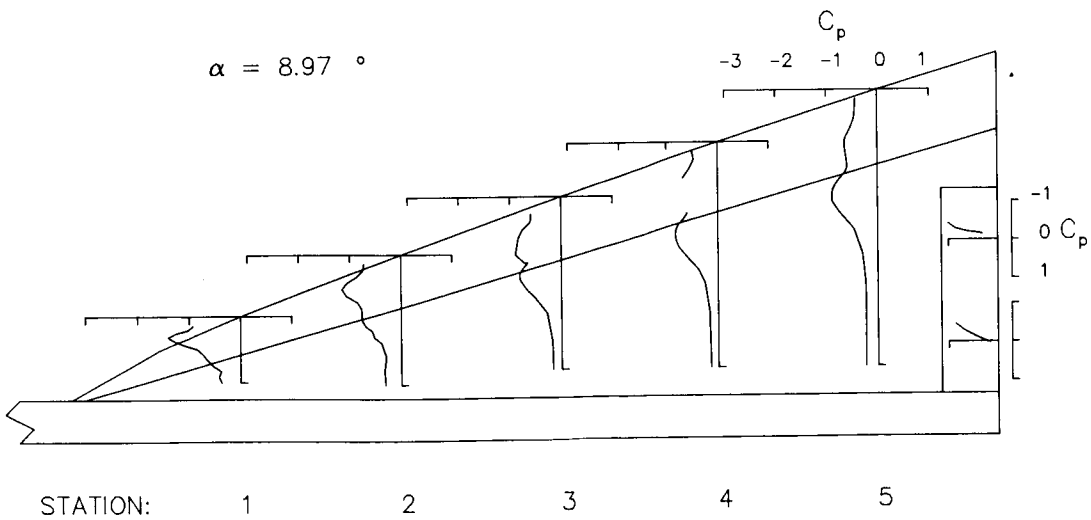
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.419
46.09	-.459	46.09	-.287
46.34	-.320	46.34	-.238
46.59	-.215	46.59	-.198
46.84	-.122	46.84	-.177
47.09	*****	47.09	-.144
47.34	.029	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 9.982 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.004	6.32	-.780	8.34	-.622	10.23	-.534	12.04	-.439
	3.99	-1.121	6.09	-.824	8.05	-.638	9.90	-.503	11.68	-.450
E	3.85	-1.358	5.86	-.969	7.76	-.833	9.57	-.595	11.32	-.479
	3.71	-1.486	5.63	-1.161	7.46	-.896	9.23	-.726	10.96	-.560
V	3.57	-1.398	5.40	-1.238	7.17	*****	8.90	*****	10.60	-.649
	3.43	-1.207	5.17	-1.157	6.88	-.945	8.57	*****	10.24	-.652
F	3.29	-.966	4.94	-.938	6.59	-.747	8.23	-.656	9.88	-.629
	3.10	-.848	4.70	-.863	6.30	-.703	7.99	-.640	9.58	-.622
	2.90	-.749	4.50	-.857	6.10	-.791	7.79	-.704	9.38	-.666
W	2.70	-.639	4.30	-.875	5.90	-.876	7.59	-.811	9.18	-.758
	2.50	-.434	4.10	-.797	5.70	-.881	7.39	-.872	8.98	-.848
	2.30	-.477	3.90	-.672	5.50	-.812	7.19	-.898	8.78	-.918
I	2.10	-.423	3.70	-.625	5.30	-.730	6.99	-.894	8.58	-.949
			3.50	-.463	5.10	-.624	6.78	-.835	8.38	-.951
			3.00	-.330	4.50	-.337	6.38	-.677	7.98	-.844
N			2.50	-.355	3.50	-.208	5.98	-.459	7.38	-.539
			2.00	-.335	2.50	-.187	5.50	-.309	6.50	-.344
							4.50	-.197	5.50	-.255
G							3.50	-.171	4.50	-.241
							2.50	-.156	3.50	-.239
									2.50	-.245

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.487
46.34	-.347
46.59	-.236
46.84	-.140
47.09	*****
47.34	.010

OUTBOARD

X IN.	CP
45.84	-.443
46.09	-.307
46.34	-.248
46.59	-.208
46.84	-.179
47.09	-.145
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 11.094 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.111	6.32	-.859	8.34	-.677	10.23	-.569	12.04	-.448
	3.99	-1.224	6.09	-.896	8.05	-.685	9.90	-.541	11.68	-.467
E	3.85	-1.479	5.86	-1.068	7.76	-.899	9.57	-.642	11.32	-.508
	3.71	-1.614	5.63	-1.263	7.46	-.963	9.23	-.770	10.96	-.589
V	3.57	-1.544	5.40	-1.336	7.17	*****	8.90	*****	10.60	-.675
	3.43	-1.340	5.17	-1.245	6.88	-.998	8.57	*****	10.24	-.667
F	3.29	-1.112	4.94	-1.021	6.59	-.800	8.23	-.698	9.88	-.655
	3.10	-.951	4.70	-.964	6.30	-.767	7.99	-.687	9.58	-.654
	2.90	-.878	4.50	-.941	6.10	-.861	7.79	-.741	9.38	-.689
W	2.70	-.761	4.30	-.989	5.90	-.965	7.59	-.859	9.18	-.780
	2.50	-.527	4.10	-.918	5.70	-.986	7.39	-.936	8.98	-.874
	2.30	-.578	3.90	-.796	5.50	-.940	7.19	-.970	8.78	-.962
I	2.10	-.500	3.70	-.731	5.30	-.852	6.99	-.982	8.58	-.995
			3.50	-.548	5.10	-.741	6.78	-.938	8.38	-1.022
			3.00	-.372	4.50	-.413	6.38	-.796	7.98	-.937
N			2.50	-.393	3.50	-.240	5.98	-.542	7.38	-.628
			2.00	-.370	2.50	-.208	5.50	-.370	6.50	-.402
							4.50	-.225	5.50	-.286
G							3.50	-.190	4.50	-.260
							2.50	-.176	3.50	-.252
									2.50	-.253

TRAILING-EDGE FLAP

INBOARD

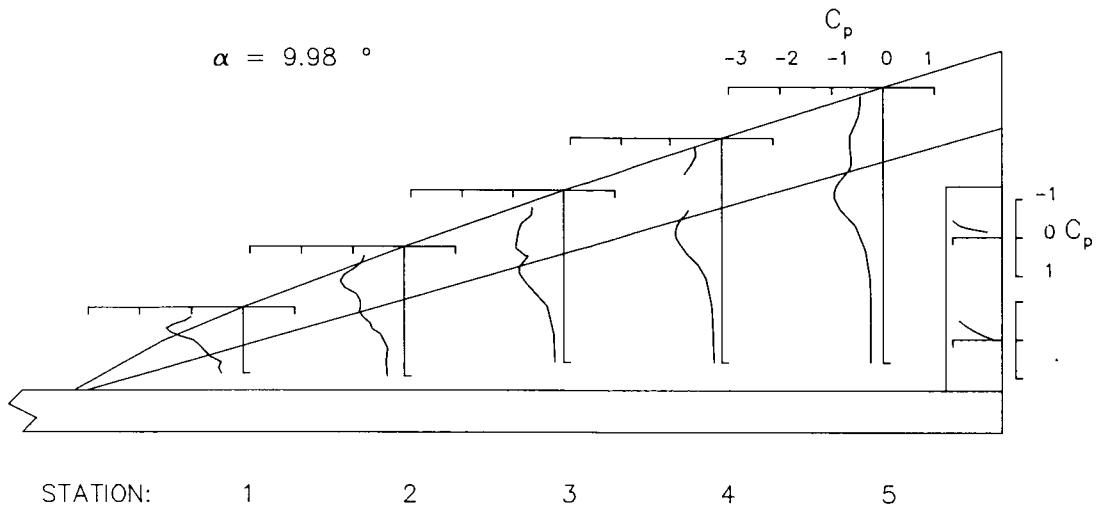
X IN.	CP
45.84	*****
46.09	-.511
46.34	-.375
46.59	-.261
46.84	-.156
47.09	*****
47.34	-.016

OUTBOARD

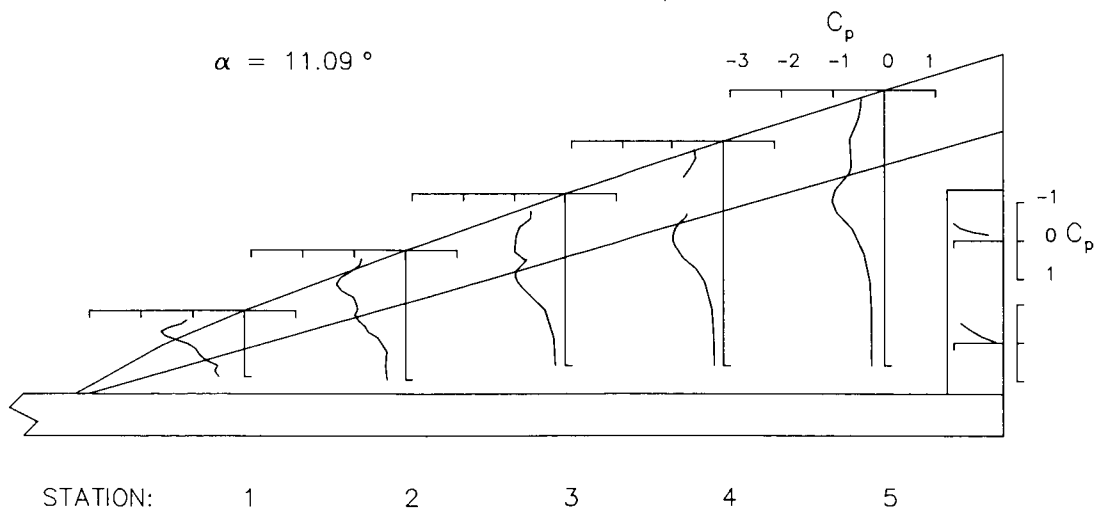
X IN.	CP
45.84	-.454
46.09	-.318
46.34	-.260
46.59	-.215
46.84	-.185
47.09	-.149
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 12.023 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.195	6.32	-.905	8.34	-.721	10.23	-.600	12.04	-.458
	3.99	-1.332	6.09	-.957	8.05	-.737	9.90	-.580	11.68	-.479
E	3.85	-1.585	5.86	-1.139	7.76	-.966	9.57	-.688	11.32	-.526
	3.71	-1.725	5.63	-1.338	7.46	-1.024	9.23	-.814	10.96	-.608
V	3.57	-1.653	5.40	-1.417	7.17	*****	8.90	*****	10.60	-.689
	3.43	-1.469	5.17	-1.326	6.88	-1.055	8.57	*****	10.24	-.683
F	3.29	-1.246	4.94	-1.084	6.59	-.859	8.23	-.738	9.88	-.667
	3.10	-1.042	4.70	-1.033	6.30	-.831	7.99	-.734	9.58	-.675
	2.90	-1.009	4.50	-1.017	6.10	-.930	7.79	-.788	9.38	-.707
W	2.70	-.883	4.30	-1.086	5.90	-1.036	7.59	-.899	9.18	-.797
	2.50	-.600	4.10	-1.022	5.70	-1.070	7.39	-.989	8.98	-.897
	2.30	-.646	3.90	-.894	5.50	-1.033	7.19	-1.037	8.78	-.990
I	2.10	-.538	3.70	-.827	5.30	-.953	6.99	-1.056	8.58	-1.032
			3.50	-.630	5.10	-.837	6.78	-1.020	8.38	-1.082
			3.00	-.421	4.50	-.843	6.38	-.888	7.98	-1.012
N			2.50	-.429	3.50	-.275	5.98	-.624	7.38	-.708
			2.00	-.393	2.50	-.230	5.50	-.430	6.50	-.459
							4.50	-.257	5.50	-.307
G							3.50	-.213	4.50	-.272
							2.50	-.187	3.50	-.264
									2.50	-.263

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.538
46.34	-.393
46.59	-.276
46.84	-.177
47.09	*****
47.34	-.040

OUTBOARD

X IN.	CP
45.84	-.486
46.09	-.331
46.34	-.260
46.59	-.215
46.84	-.185
47.09	-.145
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 12.979 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.290	6.32	-.971	8.34	-.761	10.23	-.629	12.04	-.470
	3.99	-1.444	6.09	-1.029	8.05	-.784	9.90	-.616	11.68	-.492
E	3.85	-1.702	5.86	-1.217	7.76	-1.029	9.57	-.745	11.32	-.551
	3.71	-1.849	5.63	-1.411	7.46	-1.091	9.23	-.869	10.96	-.632
V	3.57	-1.793	5.40	-1.491	7.17	*****	8.90	*****	10.60	-.711
	3.43	-1.615	5.17	-1.401	6.88	-1.109	8.57	*****	10.24	-.698
F	3.29	-1.366	4.94	-1.157	6.59	-.911	8.23	-.778	9.88	-.683
	3.10	-1.114	4.70	-1.120	6.30	-.887	7.99	-.779	9.58	-.695
	2.90	-1.133	4.50	-1.093	6.10	-.983	7.79	-.829	9.38	-.727
W	2.70	-.992	4.30	-1.183	5.90	-1.109	7.59	-.945	9.18	-.815
	2.50	-.664	4.10	-1.134	5.70	-1.154	7.39	-1.049	8.98	-.920
	2.30	-.708	3.90	-1.014	5.50	-1.122	7.19	-1.105	8.78	-1.024
I	2.10	-.584	3.70	-.931	5.30	-1.052	6.99	-1.133	8.58	-1.081
			3.50	-.725	5.10	-.950	6.78	-1.111	8.38	-1.132
			3.00	-.476	4.50	-.559	6.38	-1.003	7.98	-1.085
N			2.50	-.466	3.50	-.310	5.98	-.708	7.38	-.779
			2.00	-.422	2.50	-.255	5.50	-.499	6.50	-.509
							4.50	-.289	5.50	-.342
G							3.50	-.232	4.50	-.290
							2.50	-.201	3.50	-.276
									2.50	-.274

TRAILING-EDGE FLAP

INBOARD

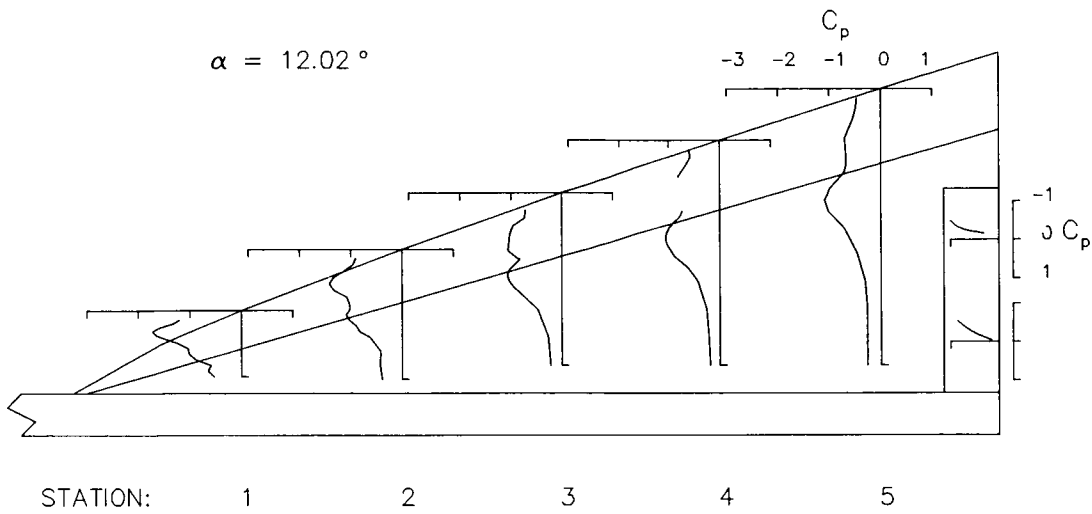
X IN.	CP
45.84	*****
46.09	-.562
46.34	-.418
46.59	-.294
46.84	-.196
47.09	*****
47.34	-.067

OUTBOARD

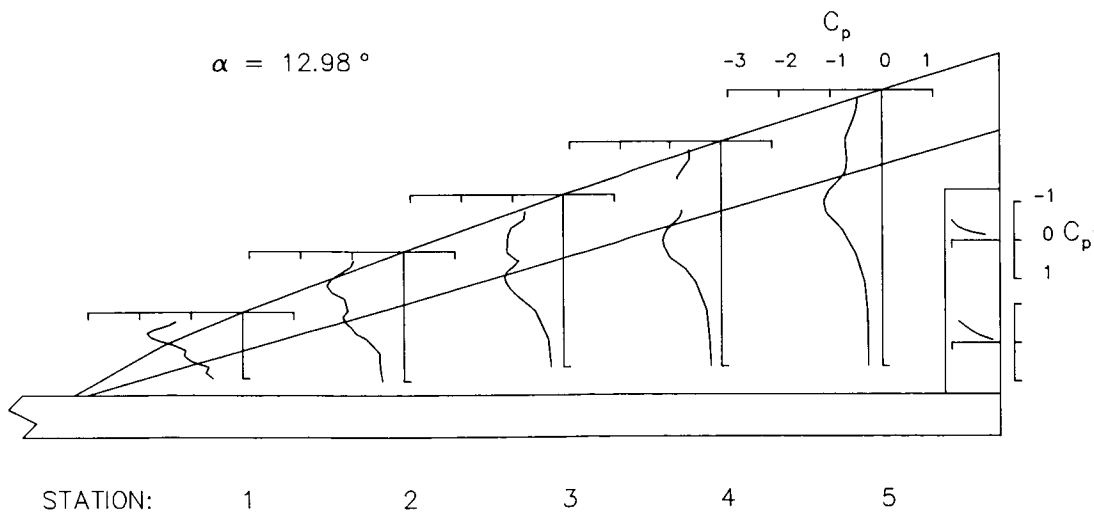
X IN.	CP
45.84	-.528
46.09	-.352
46.34	-.271
46.59	-.214
46.84	-.181
47.09	-.141
47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = -30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEVF}} = -30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 13.981 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5			
	Y	IN.	CP	Y	IN.	CP	Y	IN.	CP	Y	IN.	CP
L	4.13	-1.390		6.32	-1.035		8.34	-.806		10.23	-.656	
	3.99	-1.579		6.09	-1.103		8.05	-.840		9.90	-.652	
E	3.85	-1.837		5.86	-1.304		7.76	-1.094		9.57	-.796	
	3.71	-1.974		5.63	-1.498		7.46	-1.155		9.23	-.922	
V	3.57	-1.927		5.40	-1.564		7.17	*****		8.90	*****	
	3.43	-1.728		5.17	-1.476		6.88	-1.164		8.57	*****	
F	3.29	-1.448		4.94	-1.234		6.59	-.962		8.23	-.822	
	3.10	-1.163		4.70	-1.199		6.30	-.948		7.99	-.823	
	2.90	-1.234		4.50	-1.174		6.10	-1.042		7.79	-.875	
W	2.70	-1.098		4.30	-1.283		5.90	-1.182		7.59	-.992	
	2.50	-.741		4.10	-1.257		5.70	-1.249		7.39	-1.099	
	2.30	-.808		3.90	-1.133		5.50	-1.247		7.19	-1.173	
I	2.10	-.657		3.70	-1.057		5.30	-1.170		6.99	-1.211	
				3.50	-.829		5.10	-1.070		6.78	-1.207	
				3.00	-.551		4.50	-.644		6.38	-1.107	
N				2.50	-.505		3.50	-.351		5.98	-.811	
				2.00	-.462		2.50	-.277		5.50	-.573	
										4.50	-.336	
										3.50	-.253	
G										2.50	-.221	

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.570
46.09	-.590	46.09	-.377
46.34	-.439	46.34	-.277
46.59	-.316	46.59	-.215
46.84	-.219	46.84	-.177
47.09	*****	47.09	-.135
47.34	-.103	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 14.966 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.482	6.32	-1.107	8.34	-.847	10.23	-.684	12.04	-.491
	3.99	-1.705	6.09	-1.182	8.05	-.899	9.90	-.690	11.68	-.522
E	3.85	-1.971	5.86	-1.389	7.76	-1.168	9.57	-.850	11.32	-.591
	3.71	-2.114	5.63	-1.581	7.46	-1.239	9.23	-.970	10.96	-.680
V	3.57	-2.033	5.40	-1.645	7.17	*****	8.90	*****	10.60	-.748
	3.43	-1.835	5.17	-1.549	6.88	-1.216	8.57	*****	10.24	-.718
F	3.29	-1.551	4.94	-1.310	6.59	-1.010	8.23	-.865	9.88	-.720
	3.10	-1.285	4.70	-1.274	6.30	-1.003	7.99	-.871	9.58	-.739
	2.90	-1.342	4.50	-1.239	6.10	-1.104	7.79	-.913	9.38	-.766
W	2.70	-1.212	4.30	-1.398	5.90	-1.259	7.59	-1.028	9.18	-.852
	2.50	-.826	4.10	-1.381	5.70	-1.336	7.39	-1.146	8.98	-.960
	2.30	-.894	3.90	-1.249	5.50	-1.331	7.19	-1.225	8.78	-1.064
I	2.10	-.735	3.70	-1.179	5.30	-1.284	6.99	-1.289	8.58	-1.141
			3.50	-.939	5.10	-1.180	6.78	-1.296	8.38	-1.215
			3.00	-.622	4.50	-.740	6.38	-1.206	7.98	-1.223
N			2.50	-.555	3.50	-.396	5.98	-.898	7.38	-.923
			2.00	-.495	2.50	-.301	5.50	-.647	6.50	-.634
							4.50	-.381	5.50	-.416
							3.50	-.283	4.50	-.335
G							2.50	-.240	3.50	-.307
									2.50	-.296

TRAILING-EDGE FLAP

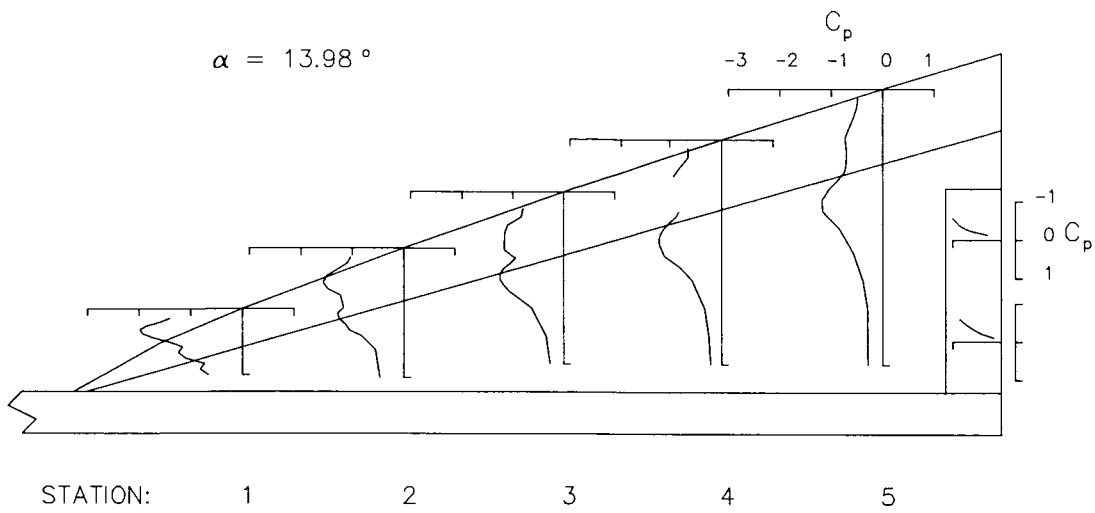
INBOARD

OUTBOARD

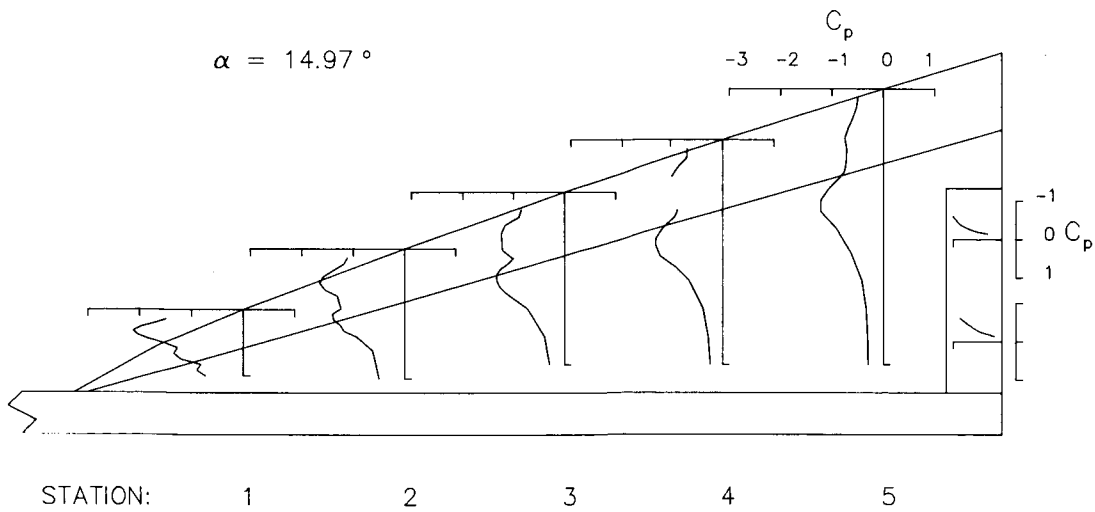
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.594
46.09	-.607	46.09	-.390
46.34	-.458	46.34	-.287
46.59	-.336	46.59	-.220
46.84	-.239	46.84	-.179
47.09	*****	47.09	-.141
47.34	-.137	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEVF DEFLECTION= -30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 17.342 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.748	6.32	-1.268	8.34	-.956	10.23	-.756	12.04	-.517
	3.99	-2.018	6.09	-1.398	8.05	-1.050	9.90	-.776	11.68	-.557
E	3.85	-2.280	5.86	-1.606	7.76	-1.285	9.57	-.951	11.32	-.630
	3.71	-2.399	5.63	-1.779	7.46	-1.382	9.23	-1.064	10.96	-.707
V	3.57	-2.324	5.40	-1.819	7.17	*****	8.90	*****	10.60	-.752
	3.43	-2.121	5.17	-1.730	6.88	-1.348	8.57	*****	10.24	-.736
F	3.29	-1.862	4.94	-1.502	6.59	-1.145	8.23	-.961	9.88	-.746
	3.10	-1.571	4.70	-1.446	6.30	-1.159	7.99	-.975	9.58	-.777
	2.90	-1.614	4.50	-1.414	6.10	-1.240	7.79	-1.014	9.38	-.803
W	2.70	-1.517	4.30	-1.646	5.90	-1.425	7.59	-1.118	9.18	-.866
	2.50	-1.054	4.10	-1.662	5.70	-1.537	7.39	-1.246	8.98	-.973
	2.30	-1.136	3.90	-1.554	5.50	-1.556	7.19	-1.347	8.78	-1.099
I	2.10	-.913	3.70	-1.486	5.30	-1.531	6.99	-1.442	8.58	-1.187
			3.50	-1.217	5.10	-1.454	6.78	-1.471	8.38	-1.285
N			3.00	-.792	4.50	-.964	6.38	-1.444	7.98	-1.357
			2.50	-.675	3.50	-.517	5.98	-1.119	7.38	-1.085
			2.00	-.577	2.50	-.370	5.50	-.836	6.50	-.791
G							4.50	-.486	5.50	-.523
							3.50	-.354	4.50	-.396
							2.50	-.287	3.50	-.352
									2.50	-.324

TRAILING-EDGE FLAP

INBOARD

OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.636
46.09	-.653	46.09	-.422
46.34	-.503	46.34	-.307
46.59	-.382	46.59	-.240
46.84	-.304	46.84	-.198
47.09	*****	47.09	-.158
47.34	-.227	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEVF DEFLECTION= -30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 19.547 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.997	6.32	-1.430	8.34	-1.075	10.23	-.836	12.04	-.540
	3.99	-2.292	6.09	-1.569	8.05	-1.171	9.90	-.848	11.68	-.591
E	3.85	-2.548	5.86	-1.805	7.76	-1.409	9.57	-1.044	11.32	-.658
	3.71	-2.675	5.63	-1.966	7.46	-1.520	9.23	-1.155	10.96	-.732
V	3.57	-2.552	5.40	-1.996	7.17	*****	8.90	*****	10.60	-.773
	3.43	-2.365	5.17	-1.901	6.88	-1.461	8.57	*****	10.24	-.750
F	3.29	-2.106	4.94	-1.657	6.59	-1.265	8.23	-1.057	9.88	-.769
	3.10	-1.762	4.70	-1.560	6.30	-1.268	7.99	-1.083	9.58	-.813
	2.90	-1.863	4.50	-1.571	6.10	-1.354	7.79	-1.107	9.38	-.829
W	2.70	-1.784	4.30	-1.839	5.90	-1.563	7.59	-1.208	9.18	-.886
	2.50	-1.243	4.10	-1.914	5.70	-1.694	7.39	-1.337	8.98	-.991
	2.30	-1.363	3.90	-1.815	5.50	-1.750	7.19	-1.455	8.78	-1.101
I	2.10	-1.076	3.70	-1.772	5.30	-1.747	6.99	-1.546	8.58	-1.214
			3.50	-1.472	5.10	-1.690	6.78	-1.622	8.38	-1.336
N			3.00	-.973	4.50	-1.187	6.38	-1.635	7.98	-1.431
			2.50	-.801	3.50	-.643	5.98	-1.317	7.38	-1.216
			2.00	-.662	2.50	-.445	5.50	-1.016	6.50	-.943
G							4.50	-.619	5.50	-.630
							3.50	-.435	4.50	-.471
							2.50	-.342	3.50	-.394
									2.50	-.356

TRAILING-EDGE FLAP

INBOARD

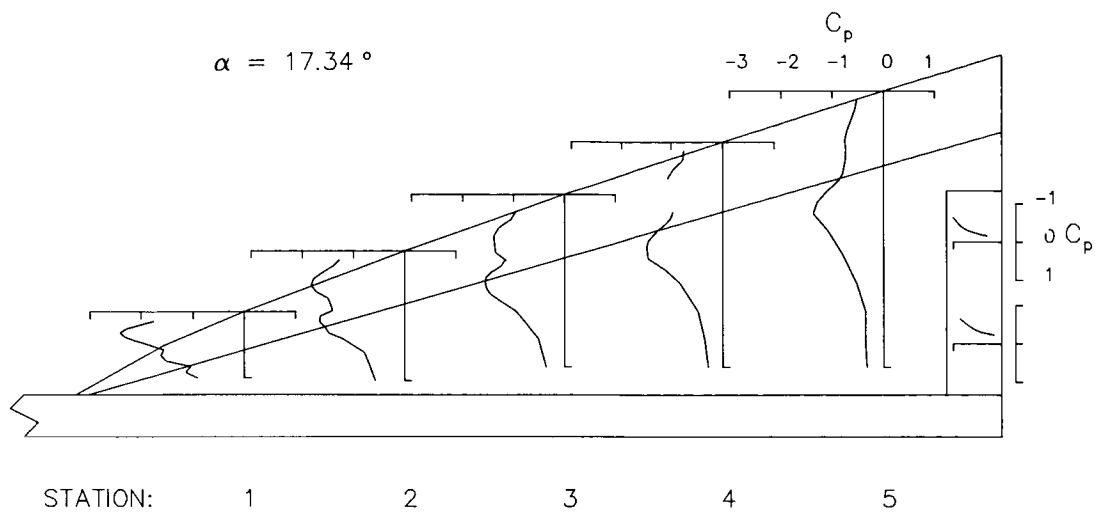
OUTBOARD

X IN.	CP	X IN.	CP
45.84	*****	45.84	-.681
46.09	-.692	46.09	-.458
46.34	-.542	46.34	-.351
46.59	-.442	46.59	-.270
46.84	-.384	46.84	-.225
47.09	*****	47.09	-.178
47.34	-.315	47.34	*****

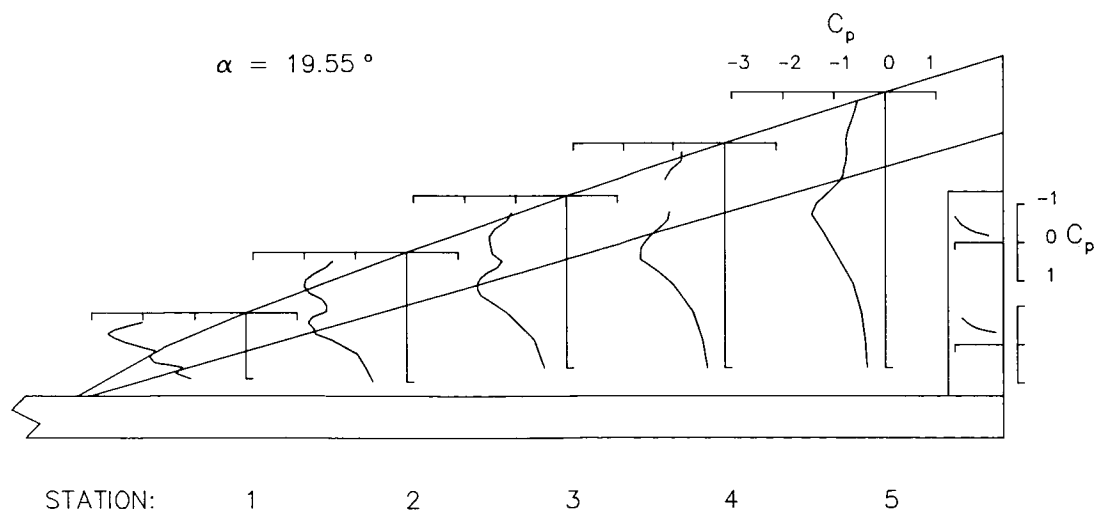
C-4

Table V. Continued

$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 21.697 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-2.232	6.32	-1.597	8.34	-1.189	10.23	-.917	12.04	-.567
	3.99	-2.550	6.09	-1.798	8.05	-1.299	9.90	-.926	11.68	-.624
E	3.85	-2.793	5.86	-2.043	7.76	-1.532	9.57	-1.138	11.32	-.701
	3.71	-2.883	5.63	-2.188	7.46	-1.622	9.23	-1.235	10.96	-.760
V	3.57	-2.765	5.40	-2.191	7.17	*****	8.90	*****	10.60	-.787
	3.43	-2.560	5.17	-2.062	6.88	-1.566	8.57	*****	10.24	-.757
F	3.29	-2.321	4.94	-1.769	6.59	-1.377	8.23	-1.160	9.88	-.788
	3.10	-2.024	4.70	-1.679	6.30	-1.395	7.99	-1.192	9.58	-.840
	2.90	-2.064	4.50	-1.721	6.10	-1.463	7.79	-1.195	9.38	-.856
W	2.70	-2.000	4.30	-2.068	5.90	-1.685	7.59	-1.287	9.18	-.901
	2.50	-1.424	4.10	-2.156	5.70	-1.844	7.39	-1.433	8.98	-.992
	2.30	-1.593	3.90	-2.085	5.50	-1.938	7.19	-1.559	8.78	-1.121
I	2.10	-1.260	3.70	-2.090	5.30	-1.962	6.99	-1.685	8.58	-1.228
			3.50	-1.739	5.10	-1.919	6.78	-1.765	8.38	-1.369
			3.00	-1.155	4.50	-1.419	6.38	-1.835	7.98	-1.516
N			2.50	-.927	3.50	-.784	5.98	-1.549	7.38	-1.332
			2.00	-.752	2.50	-.527	5.50	-1.207	6.50	-1.080
							4.50	-.749	5.50	-.740
G							3.50	-.516	4.50	-.554
							2.50	-.397	3.50	-.453
									2.50	-.393

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.738
46.09	-.721	46.09	-.516
46.34	-.578	46.34	-.390
46.59	-.489	46.59	-.306
46.84	-.442	46.84	-.242
47.09	*****	47.09	-.184
47.34	-.404	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 10 DEG.

ANGLE OF ATTACK= 23.769 DEG.

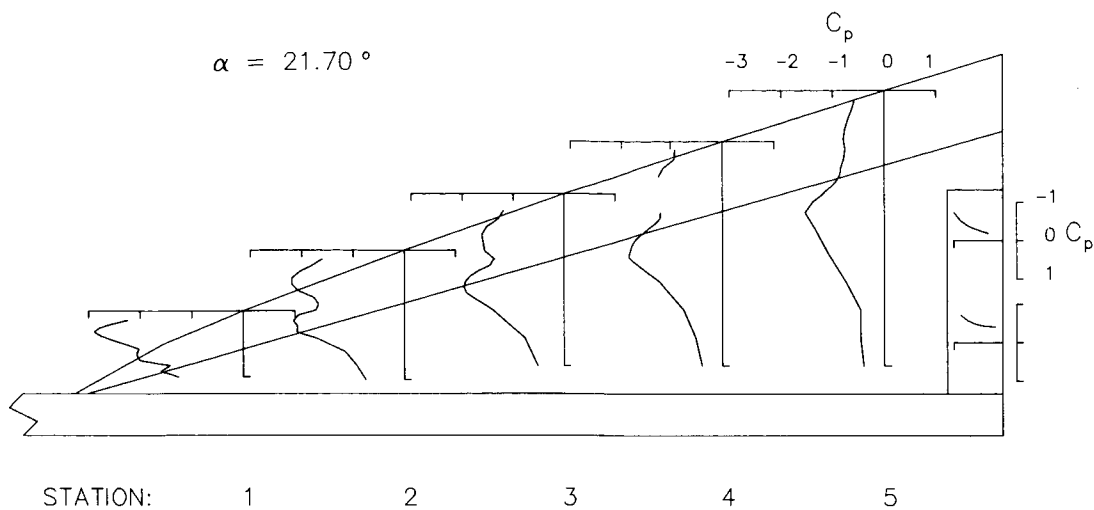
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-2.452	6.32	-1.795	8.34	-1.303	10.23	-1.000	12.04	-.593
	3.99	-2.779	6.09	-2.037	8.05	-1.432	9.90	-.997	11.68	-.661
E	3.85	-3.008	5.86	-2.269	7.76	-1.655	9.57	-1.231	11.32	-.736
	3.71	-3.095	5.63	-2.395	7.46	-1.755	9.23	-1.328	10.96	-.788
V	3.57	-2.930	5.40	-2.389	7.17	*****	8.90	*****	10.60	-.813
	3.43	-2.715	5.17	-2.244	6.88	-1.682	8.57	*****	10.24	-.775
F	3.29	-2.513	4.94	-1.926	6.59	-1.495	8.23	-1.254	9.88	-.810
	3.10	-2.302	4.70	-1.833	6.30	-1.519	7.99	-1.291	9.58	-.862
	2.90	-2.230	4.50	-1.876	6.10	-1.576	7.79	-1.298	9.38	-.880
W	2.70	-2.214	4.30	-2.269	5.90	-1.813	7.59	-1.378	9.18	-.922
	2.50	-1.608	4.10	-2.403	5.70	-1.997	7.39	-1.517	8.98	-1.003
	2.30	-1.800	3.90	-2.345	5.50	-2.118	7.19	-1.663	8.78	-1.127
I	2.10	-1.423	3.70	-2.375	5.30	-2.146	6.99	-1.799	8.58	-1.255
			3.50	-2.006	5.10	-2.155	6.78	-1.909	8.38	-1.397
			3.00	-1.370	4.50	-1.649	6.38	-2.022	7.98	-1.577
N			2.50	-1.061	3.50	-.928	5.98	-1.743	7.38	-1.425
			2.00	-.835	2.50	-.614	5.50	-1.392	6.50	-1.210
							4.50	-.898	5.50	-.857
G							3.50	-.605	4.50	-.638
							2.50	-.459	3.50	-.505
									2.50	-.436

TRAILING-EDGE FLAP

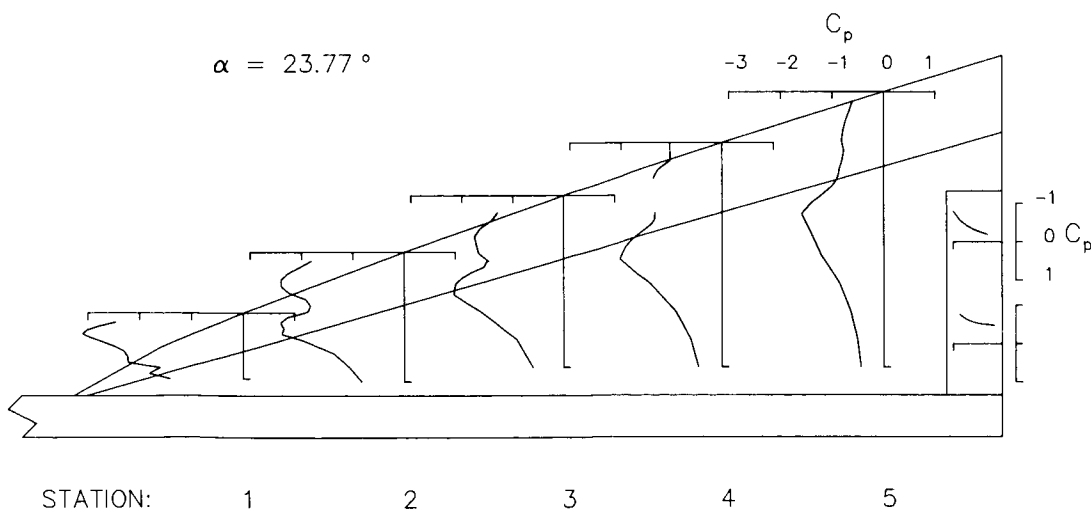
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.802
46.09	-.756	46.09	-.564
46.34	-.624	46.34	-.419
46.59	-.558	46.59	-.322
46.84	-.516	46.84	-.250
47.09	*****	47.09	-.189
47.34	-.474	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 10.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= .226 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.306	6.32	-.246	8.34	-.182	10.23	-.183	12.04	-.241
	3.99	-.382	6.09	-.248	8.05	-.207	9.90	-.159	11.68	-.271
E	3.85	-.481	5.86	-.296	7.76	-.241	9.57	-.214	11.32	-.273
	3.71	-.240	5.63	-.445	7.46	-.284	9.23	-.220	10.96	-.274
V	3.57	-.070	5.40	-.316	7.17	*****	8.90	*****	10.60	-.331
	3.43	-.051	5.17	-.138	6.88	-.255	8.57	*****	10.24	-.392
F	3.29	-.047	4.94	-.086	6.59	-.120	8.23	-.226	9.88	-.358
	3.10	-.049	4.70	-.126	6.30	-.109	7.99	-.154	9.58	-.276
	2.90	-.041	4.50	-.105	6.10	-.070	7.79	-.179	9.38	-.323
W	2.70	-.046	4.30	-.047	5.90	-.049	7.59	-.158	9.18	-.319
	2.50	-.054	4.10	-.051	5.70	-.033	7.39	-.121	8.98	-.277
	2.30	-.083	3.90	-.054	5.50	-.029	7.19	-.080	8.78	-.222
I	2.10	-.067	3.70	-.084	5.30	-.025	6.99	-.067	8.58	-.172
			3.50	-.066	5.10	-.026	6.78	-.047	8.38	-.141
			3.00	-.083	4.50	-.038	6.38	-.044	7.98	-.111
N			2.50	-.137	3.50	-.040	5.98	-.047	7.38	-.128
			2.00	-.119	2.50	-.040	5.50	-.050	6.50	-.149
G							4.50	-.060	5.50	-.167
							3.50	-.064	4.50	-.173
							2.50	-.055	3.50	-.178
									2.50	-.184

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.305
46.09	-.343	46.09	-.310
46.34	-.359	46.34	-.323
46.59	-.369	46.59	-.334
46.84	-.374	46.84	-.336
47.09	*****	47.09	-.336
47.34	-.350	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 2.335 DEG.

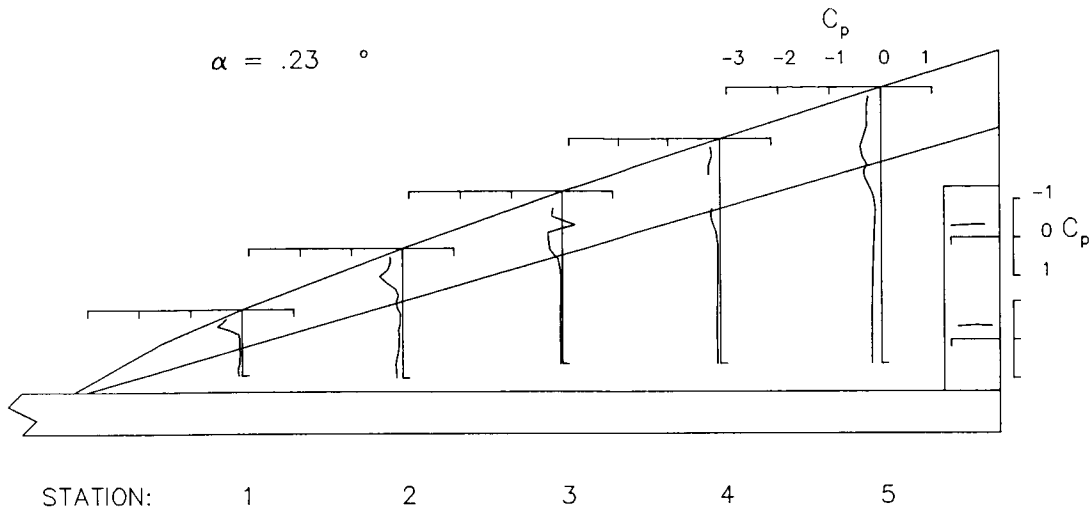
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.431	6.32	-.372	8.34	-.292	10.23	-.273	12.04	-.307
	3.99	-.511	6.09	-.360	8.05	-.303	9.90	-.240	11.68	-.344
E	3.85	-.726	5.86	-.385	7.76	-.090	9.57	-.293	11.32	-.334
	3.71	-.615	5.63	-.567	7.46	-.366	9.23	-.312	10.96	-.341
V	3.57	-.347	5.40	-.581	7.17	*****	8.90	*****	10.60	-.426
	3.43	-.219	5.17	-.422	6.88	-.476	8.57	*****	10.24	-.487
F	3.29	-.154	4.94	-.274	6.59	-.311	8.23	-.354	9.88	-.446
	3.10	-.145	4.70	-.246	6.30	-.257	7.99	-.275	9.58	-.378
	2.90	-.121	4.50	-.230	6.10	-.265	7.79	-.340	9.38	-.453
W	2.70	-.112	4.30	-.148	5.90	-.223	7.59	-.355	9.18	-.489
	2.50	-.097	4.10	-.122	5.70	-.172	7.39	-.313	8.98	-.476
	2.30	-.141	3.90	-.109	5.50	-.124	7.19	-.260	8.78	-.444
I	2.10	-.121	3.70	-.136	5.30	-.090	6.99	-.222	8.58	-.302
			3.50	-.104	5.10	-.069	6.78	-.146	8.38	-.377
			3.00	-.119	4.50	-.061	6.38	-.086	7.98	-.189
N			2.50	-.178	3.50	-.067	5.98	-.069	7.38	-.144
			2.00	-.157	2.50	-.069	5.50	-.067	6.50	-.153
G							4.50	-.077	5.50	-.172
							3.50	-.084	4.50	-.185
							2.50	-.077	3.50	-.193
									2.50	-.199

TRAILING-EDGE FLAP

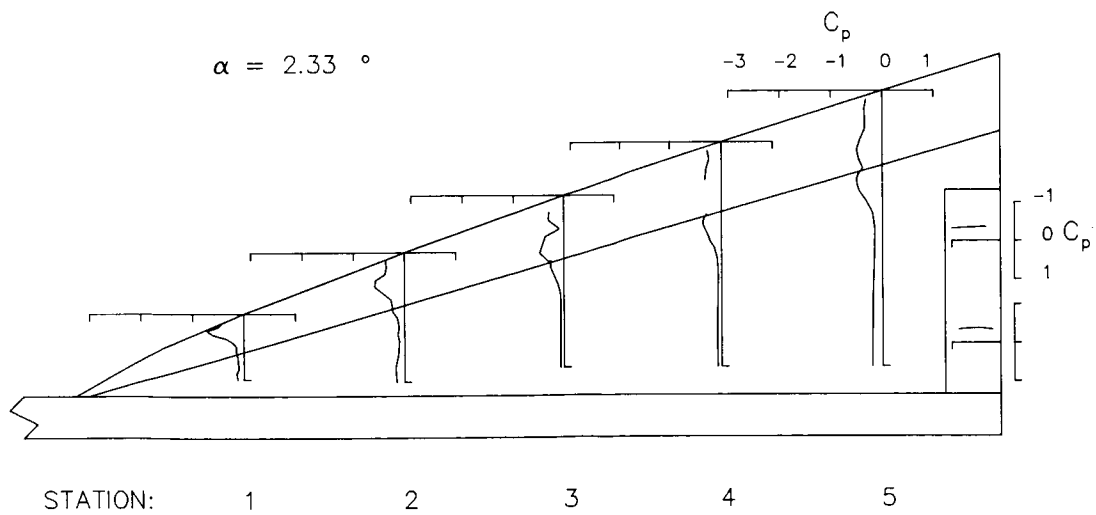
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.324
46.09	-.345	46.09	-.332
46.34	-.364	46.34	-.342
46.59	-.377	46.59	-.352
46.84	-.380	46.84	-.357
47.09	*****	47.09	-.356
47.34	-.338	47.34	*****

Table V. Continued

$$\delta_{\text{LEVF}} = -30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEVF}} = -30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 4.320 DEG.

STATION 1			STATION 2			STATION 3			STATION 4			STATION 5		
	Y IN.	CP	Y IN.	CP		Y IN.	CP		Y IN.	CP		Y IN.	CP	
L	4.13	-.571	6.32	-.491		8.34	-.402		10.23	-.366		12.04	-.366	
	3.99	-.640	6.09	-.468		8.05	-.394		9.90	-.315		11.68	-.376	
E	3.85	-.871	5.86	-.497		7.76	-.308		9.57	-.371		11.32	-.385	
	3.71	-.915	5.63	-.673		7.46	-.483		9.23	-.422		10.96	-.405	
V	3.57	-.688	5.40	-.755		7.17	*****		8.90	*****		10.60	-.509	
	3.43	-.461	5.17	-.643		6.88	-.607		8.57	*****		10.24	-.553	
F	3.29	-.319	4.94	-.463		6.59	-.451		8.23	-.446		9.88	-.508	
	3.10	-.277	4.70	-.422		6.30	-.378		7.99	-.379		9.58	-.454	
	2.90	-.230	4.50	-.385		6.10	-.423		7.79	-.453		9.38	-.529	
W	2.70	-.196	4.30	-.300		5.90	-.408		7.59	-.504		9.18	-.597	
	2.50	-.151	4.10	-.245		5.70	-.351		7.39	-.510		8.98	-.630	
	2.30	-.205	3.90	-.198		5.50	-.279		7.19	-.448		8.78	-.624	
I	2.10	-.179	3.70	-.213		5.30	-.211		6.99	-.413		8.58	-.563	
			3.50	-.158		5.10	-.166		6.78	-.310		8.38	-.494	
			3.00	-.155		4.50	-.098		6.38	-.185		7.98	-.329	
N			2.50	-.217		3.50	-.095		5.98	-.124		7.38	-.199	
			2.00	-.195		2.50	-.099		5.50	-.097		6.50	-.168	
G									4.50	-.096		5.50	-.184	
									3.50	-.104		4.50	-.199	
									2.50	-.098		3.50	-.207	
												2.50	-.213	

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.358
46.34	-.375
46.59	-.377
46.84	-.376
47.09	*****
47.34	-.334

OUTBOARD

X IN.	CP
45.84	-.347
46.09	-.352
46.34	-.367
46.59	-.376
46.84	-.382
47.09	-.379
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 6.434 DEG.

STATION 1			STATION 2			STATION 3			STATION 4			STATION 5		
	Y IN.	CP	Y IN.	CP		Y IN.	CP		Y IN.	CP		Y IN.	CP	
L	4.13	-.738	6.32	-.598		8.34	-.497		10.23	-.441		12.04	-.405	
	3.99	-.801	6.09	-.594		8.05	-.489		9.90	-.394		11.68	-.409	
E	3.85	-1.039	5.86	-.644		7.76	-.483		9.57	-.452		11.32	-.423	
	3.71	-1.139	5.63	-.838		7.46	-.633		9.23	-.542		10.96	-.470	
V	3.57	-.969	5.40	-.930		7.17	*****		8.90	*****		10.60	-.582	
	3.43	-.735	5.17	-.844		6.88	-.736		8.57	*****		10.24	-.602	
F	3.29	-.542	4.94	-.658		6.59	-.576		8.23	-.533		9.88	-.565	
	3.10	-.481	4.70	-.566		6.30	-.516		7.99	-.479		9.58	-.537	
	2.90	-.393	4.50	-.558		6.10	-.579		7.79	-.557		9.38	-.591	
W	2.70	-.326	4.30	-.504		5.90	-.604		7.59	-.641		9.18	-.684	
	2.50	-.234	4.10	-.422		5.70	-.572		7.39	-.655		8.98	-.738	
	2.30	-.291	3.90	-.338		5.50	-.490		7.19	-.630		8.78	-.766	
I	2.10	-.254	3.70	-.335		5.30	-.393		6.99	-.622		8.58	-.743	
			3.50	-.242		5.10	-.309		6.78	-.506		8.38	-.693	
			3.00	-.210		4.50	-.166		6.38	-.347		7.98	-.537	
N			2.50	-.262		3.50	-.131		5.98	-.223		7.38	-.312	
			2.00	-.252		2.50	-.128		5.50	-.153		6.50	-.219	
G									4.50	-.127		5.50	-.208	
									3.50	-.131		4.50	-.217	
									2.50	-.122		3.50	-.225	
												2.50	-.230	

TRAILING-EDGE FLAP

INBOARD

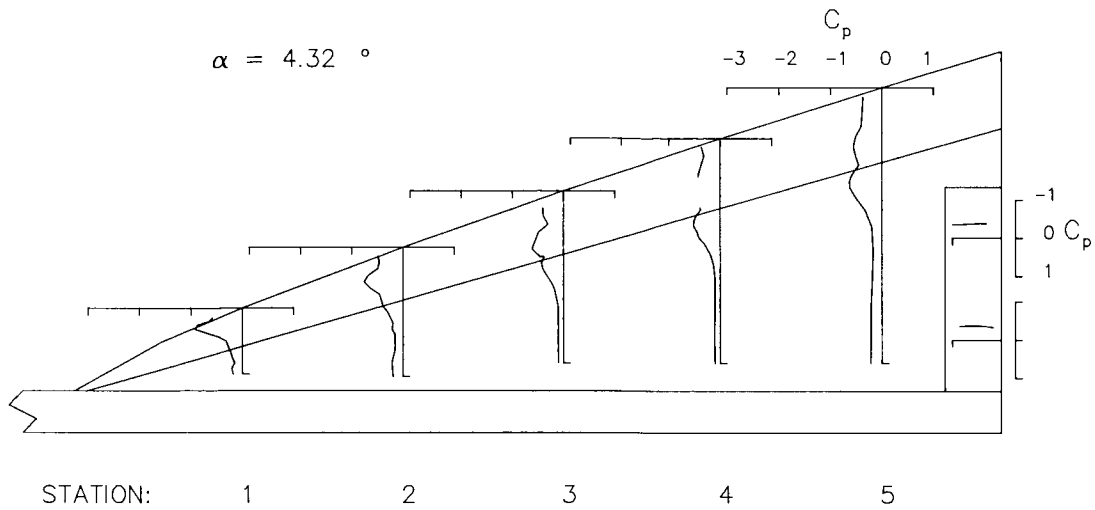
X IN.	CP
45.84	*****
46.09	-.484
46.34	-.471
46.59	-.463
46.84	-.429
47.09	*****
47.34	-.353

OUTBOARD

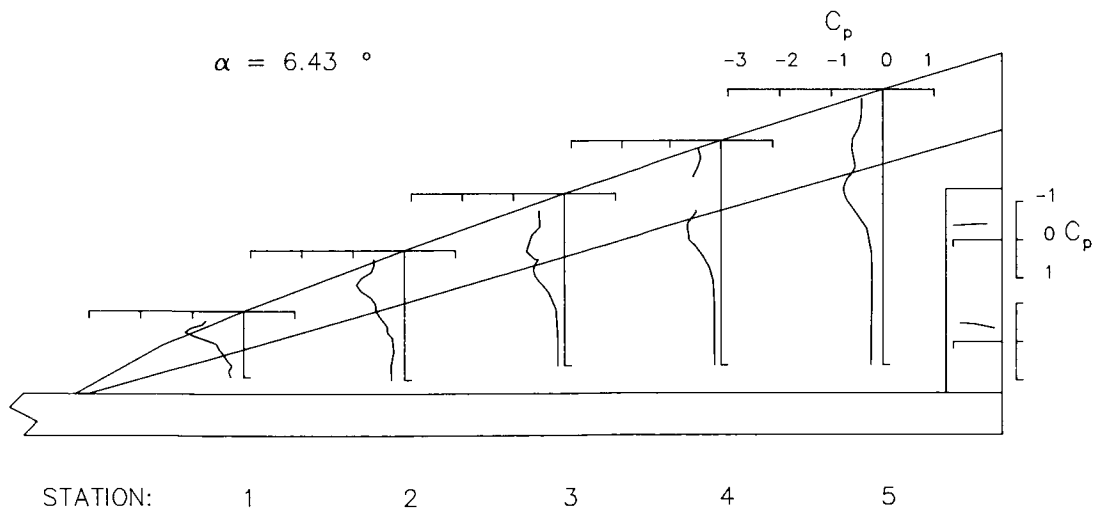
X IN.	CP
45.84	-.370
46.09	-.383
46.34	-.394
46.59	-.404
46.84	-.412
47.09	-.407
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 8.593 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.897	6.32	-.714	8.34	-.573	10.23	-.502	12.04	-.429
	3.99	-.990	6.09	-.716	8.05	-.584	9.90	-.468	11.68	-.445
E	3.85	-1.230	5.86	-.820	7.76	-.661	9.57	-.548	11.32	-.465
	3.71	-1.353	5.63	-1.028	7.46	-.814	9.23	-.675	10.96	-.546
V	3.57	-1.233	5.40	-1.108	7.17	*****	8.90	*****	10.60	-.648
	3.43	-1.013	5.17	-1.026	6.88	-.871	8.57	*****	10.24	-.651
F	3.29	-.810	4.94	-.832	6.59	-.702	8.23	-.620	9.88	-.614
	3.10	-.681	4.70	-.738	6.30	-.641	7.99	-.580	9.58	-.600
	2.90	-.614	4.50	-.739	6.10	-.728	7.79	-.648	9.38	-.652
W	2.70	-.514	4.30	-.729	5.90	-.791	7.59	-.756	9.18	-.746
	2.50	-.345	4.10	-.650	5.70	-.771	7.39	-.806	8.98	-.826
	2.30	-.400	3.90	-.535	5.50	-.702	7.19	-.809	8.78	-.876
I	2.10	-.344	3.70	-.486	5.30	-.601	6.99	-.826	8.58	-.885
			3.50	-.359	5.10	-.499	6.78	-.717	8.38	-.879
			3.00	-.282	4.50	-.261	6.38	-.548	7.98	-.726
N			2.50	-.318	3.50	-.178	5.98	-.351	7.38	-.454
			2.00	-.301	2.50	-.163	5.50	-.239	6.50	-.294
							4.50	-.169	5.50	-.240
G							3.50	-.159	4.50	-.234
							2.50	-.148	3.50	-.243
									2.50	-.248

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.417
46.09	-.546	46.09	-.423
46.34	-.534	46.34	-.437
46.59	-.523	46.59	-.450
46.84	-.483	46.84	-.459
47.09	*****	47.09	-.452
47.34	-.411	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 8.971 DEG.

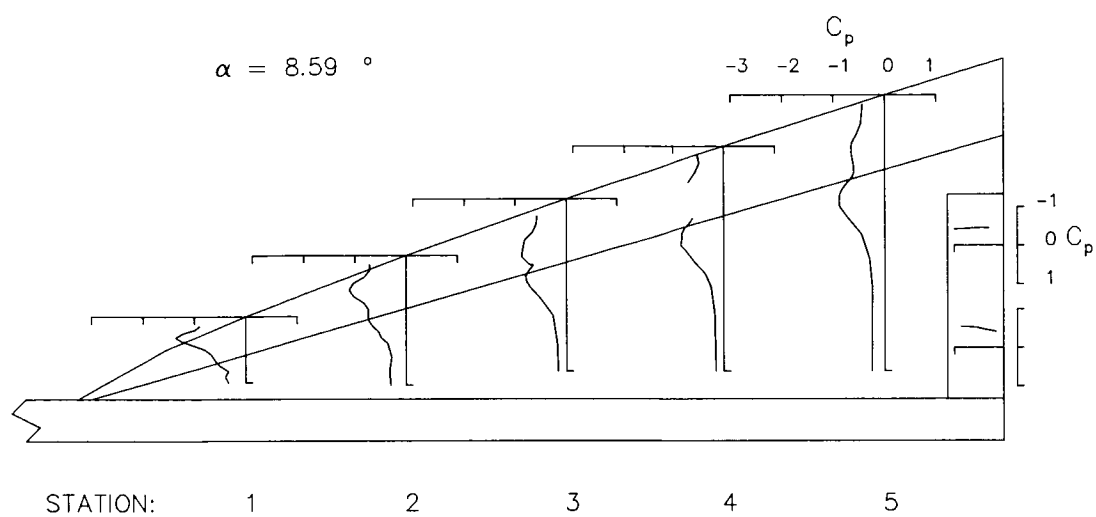
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-.941	6.32	-.730	8.34	-.597	10.23	-.515	12.04	-.436
	3.99	-1.024	6.09	-.741	8.05	-.605	9.90	-.481	11.68	-.447
E	3.85	-1.261	5.86	-.857	7.76	-.755	9.57	-.561	11.32	-.474
	3.71	-1.398	5.63	-1.062	7.46	-.845	9.23	-.696	10.96	-.558
V	3.57	-1.277	5.40	-1.143	7.17	*****	8.90	*****	10.60	-.654
	3.43	-1.070	5.17	-1.064	6.88	-.898	8.57	*****	10.24	-.652
F	3.29	-.842	4.94	-.856	6.59	-.719	8.23	-.632	9.88	-.624
	3.10	-.715	4.70	-.763	6.30	-.666	7.99	-.595	9.58	-.611
	2.90	-.651	4.50	-.771	6.10	-.749	7.79	-.666	9.38	-.656
W	2.70	-.540	4.30	-.767	5.90	-.810	7.59	-.771	9.18	-.756
	2.50	-.368	4.10	-.685	5.70	-.803	7.39	-.826	8.98	-.837
	2.30	-.425	3.90	-.565	5.50	-.738	7.19	-.839	8.78	-.892
I	2.10	-.362	3.70	-.526	5.30	-.643	6.99	-.847	8.58	-.905
			3.50	-.390	5.10	-.530	6.78	-.749	8.38	-.892
			3.00	-.291	4.50	-.285	6.38	-.576	7.98	-.763
N			2.50	-.329	3.50	-.185	5.98	-.385	7.38	-.478
			2.00	-.313	2.50	-.169	5.50	-.260	6.50	-.304
							4.50	-.178	5.50	-.247
G							3.50	-.163	4.50	-.241
							2.50	-.154	3.50	-.245
									2.50	-.255

TRAILING-EDGE FLAP

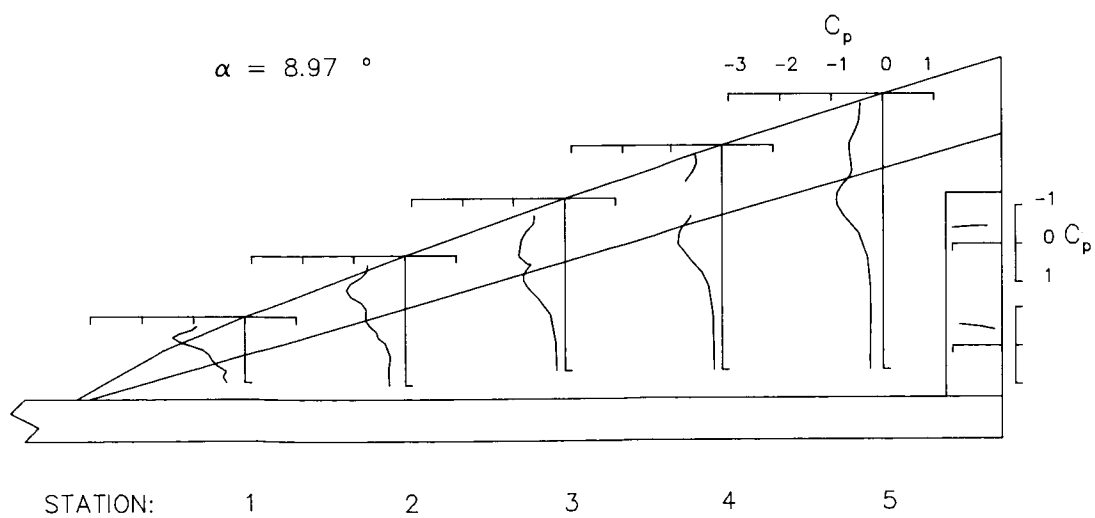
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.423
46.09	-.550	46.09	-.434
46.34	-.538	46.34	-.447
46.59	-.518	46.59	-.458
46.84	-.495	46.84	-.467
47.09	*****	47.09	-.463
47.34	-.424	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 10.002 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.013	6.32	-.785	8.34	-.636	10.23	-.546	12.04	-.450
	3.99	-1.115	6.09	-.819	8.05	-.645	9.90	-.523	11.68	-.462
E	3.85	-1.354	5.86	-.970	7.76	-.832	9.57	-.609	11.32	-.493
	3.71	-1.503	5.63	-1.165	7.46	-.912	9.23	-.739	10.96	-.573
V	3.57	-1.414	5.40	-1.246	7.17	*****	8.90	*****	10.60	-.669
	3.43	-1.204	5.17	-1.156	6.88	-.954	8.57	*****	10.24	-.663
F	3.29	-.963	4.94	-.949	6.59	-.769	8.23	-.673	9.88	-.639
	3.10	-.795	4.70	-.852	6.30	-.723	7.99	-.649	9.58	-.630
	2.90	-.770	4.50	-.857	6.10	-.811	7.79	-.711	9.38	-.672
W	2.70	-.641	4.30	-.896	5.90	-.891	7.59	-.826	9.18	-.772
	2.50	-.430	4.10	-.803	5.70	-.896	7.39	-.890	8.98	-.860
	2.30	-.481	3.90	-.674	5.50	-.830	7.19	-.912	8.78	-.932
I	2.10	-.432	3.70	-.617	5.30	-.754	6.99	-.957	8.58	-.954
			3.50	-.464	5.10	-.638	6.78	-.849	8.38	-.968
			3.00	-.326	4.50	-.335	6.38	-.682	7.98	-.851
N			2.50	-.360	3.50	-.212	5.98	-.457	7.38	-.556
			2.00	-.340	2.50	-.190	5.50	-.315	6.50	-.350
G							4.50	-.200	5.50	-.269
							3.50	-.180	4.50	-.254
							2.50	-.168	3.50	-.256
									2.50	-.265

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.436
46.09	-.561	46.09	-.455
46.34	-.565	46.34	-.467
46.59	-.552	46.59	-.480
46.84	-.519	46.84	-.486
47.09	*****	47.09	-.479
47.34	-.455	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 11.064 DEG.

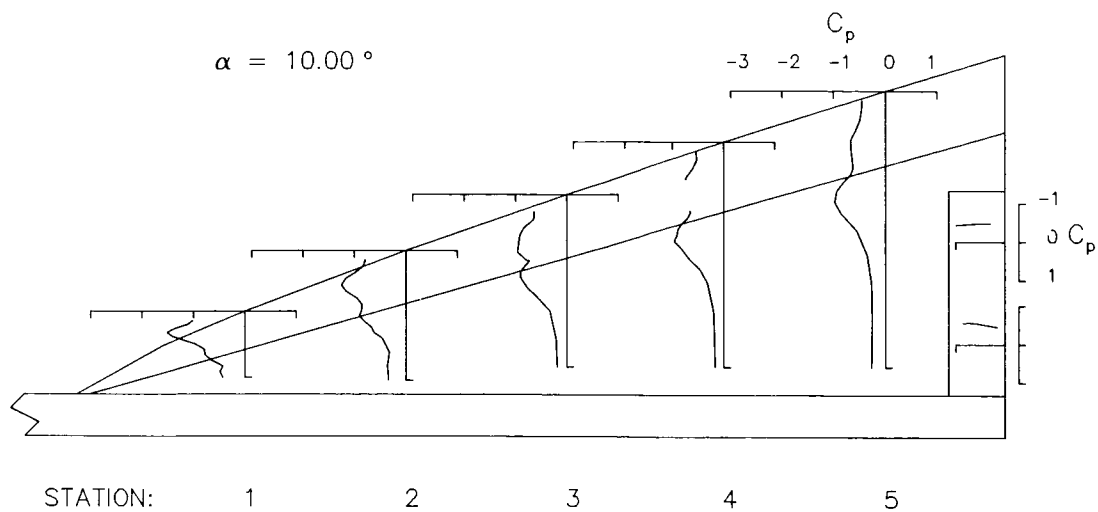
	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.112	6.32	-.860	8.34	-.687	10.23	-.583	12.04	-.462
	3.99	-1.230	6.09	-.898	8.05	-.697	9.90	-.561	11.68	-.476
E	3.85	-1.478	5.86	-1.076	7.76	-.908	9.57	-.656	11.32	-.515
	3.71	-1.620	5.63	-1.272	7.46	-.972	9.23	-.792	10.96	-.598
V	3.57	-1.554	5.40	-1.344	7.17	*****	8.90	*****	10.60	-.682
	3.43	-1.341	5.17	-1.249	6.88	-1.008	8.57	*****	10.24	-.674
F	3.29	-1.096	4.94	-1.025	6.59	-.827	8.23	-.710	9.88	-.655
	3.10	-.903	4.70	-.931	6.30	-.791	7.99	-.712	9.58	-.656
	2.90	-.891	4.50	-.939	6.10	-.876	7.79	-.759	9.38	-.691
W	2.70	-.761	4.30	-.990	5.90	-.974	7.59	-.873	9.18	-.790
	2.50	-.508	4.10	-.917	5.70	-.990	7.39	-.945	8.98	-.886
	2.30	-.560	3.90	-.791	5.50	-.934	7.19	-.981	8.78	-.968
I	2.10	-.507	3.70	-.725	5.30	-.865	6.99	-1.035	8.58	-1.006
			3.50	-.543	5.10	-.740	6.78	-.946	8.38	-1.033
			3.00	-.374	4.50	-.418	6.38	-.799	7.98	-.947
N			2.50	-.397	3.50	-.248	5.98	-.546	7.38	-.641
			2.00	-.366	2.50	-.212	5.50	-.375	6.50	-.410
G							4.50	-.232	5.50	-.292
							3.50	-.203	4.50	-.268
							2.50	-.180	3.50	-.268
									2.50	-.274

TRAILING-EDGE FLAP

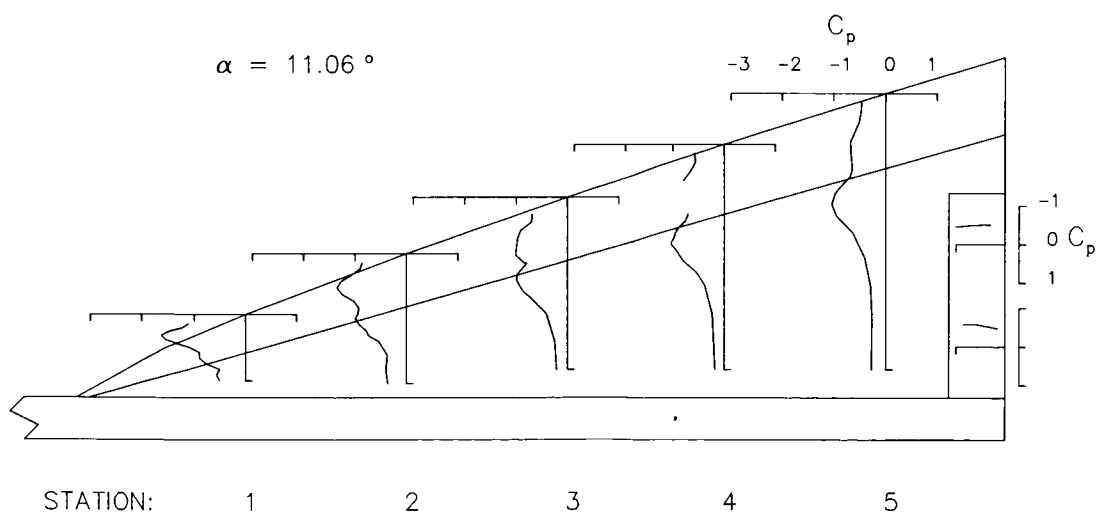
INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.459
46.09	-.577	46.09	-.472
46.34	-.587	46.34	-.490
46.59	-.580	46.59	-.500
46.84	-.542	46.84	-.511
47.09	*****	47.09	-.502
47.34	-.480	47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 11.997 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.200	6.32	-.911	8.34	-.731	10.23	-.613	12.04	-.469
	3.99	-1.325	6.09	-.958	8.05	-.742	9.90	-.597	11.68	-.485
E	3.85	-1.581	5.86	-1.149	7.76	-.973	9.57	-.708	11.32	-.539
	3.71	-1.734	5.63	-1.354	7.46	-1.035	9.23	-.831	10.96	-.620
V	3.57	-1.670	5.40	-1.416	7.17	*****	8.90	*****	10.60	-.698
	3.43	-1.459	5.17	-1.322	6.88	-1.059	8.57	*****	10.24	-.687
F	3.29	-1.228	4.94	-1.097	6.59	-.883	8.23	-.750	9.88	-.669
	3.10	-.984	4.70	-1.007	6.30	-.850	7.99	-.757	9.58	-.672
	2.90	-1.014	4.50	-1.019	6.10	-.939	7.79	-.799	9.38	-.706
W	2.70	-.885	4.30	-1.088	5.90	-1.050	7.59	-.917	9.18	-.801
	2.50	-.599	4.10	-1.040	5.70	-1.084	7.39	-1.001	8.98	-.901
	2.30	-.651	3.90	-.898	5.50	-1.043	7.19	-1.053	8.78	-.999
I	2.10	-.540	3.70	-.830	5.30	-.964	6.99	-1.111	8.58	-1.037
			3.50	-.624	5.10	-.854	6.78	-1.046	8.38	-1.087
			3.00	-.426	4.50	-.493	6.38	-.904	7.98	-1.015
N			2.50	-.433	3.50	-.279	5.98	-.635	7.38	-.711
			2.00	-.399	2.50	-.236	5.50	-.436	6.50	-.460
							4.50	-.265	5.50	-.319
							3.50	-.219	4.50	-.287
G							2.50	-.198	3.50	-.282
									2.50	-.284

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.599
46.34	-.605
46.59	-.585
46.84	-.555
47.09	*****
47.34	-.509

OUTBOARD

X IN.	CP
45.84	-.481
46.09	-.493
46.34	-.510
46.59	-.528
46.84	-.534
47.09	-.525
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 13.007 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.292	6.32	-.974	8.34	-.769	10.23	-.642	12.04	-.477
	3.99	-1.450	6.09	-1.042	8.05	-.793	9.90	-.635	11.68	-.498
E	3.85	-1.711	5.86	-1.230	7.76	-1.033	9.57	-.757	11.32	-.562
	3.71	-1.859	5.63	-1.428	7.46	-1.103	9.23	-.883	10.96	-.643
V	3.57	-1.807	5.40	-1.495	7.17	*****	8.90	*****	10.60	-.714
	3.43	-1.620	5.17	-1.410	6.88	-1.120	8.57	*****	10.24	-.699
F	3.29	-1.338	4.94	-1.176	6.59	-.931	8.23	-.792	9.88	-.684
	3.10	-1.076	4.70	-1.089	6.30	-.906	7.99	-.813	9.58	-.691
	2.90	-1.146	4.50	-1.096	6.10	-.999	7.79	-.849	9.38	-.723
W	2.70	-.999	4.30	-1.195	5.90	-1.123	7.59	-.964	9.18	-.818
	2.50	-.662	4.10	-1.145	5.70	-1.172	7.39	-1.057	8.98	-.919
	2.30	-.722	3.90	-1.015	5.50	-1.149	7.19	-1.122	8.78	-1.020
I	2.10	-.590	3.70	-.946	5.30	-1.071	6.99	-1.197	8.58	-1.078
			3.50	-.730	5.10	-.965	6.78	-1.129	8.38	-1.130
			3.00	-.492	4.50	-.566	6.38	-1.012	7.98	-1.090
N			2.50	-.475	3.50	-.324	5.98	-.728	7.38	-.783
			2.00	-.434	2.50	-.257	5.50	-.511	6.50	-.513
							4.50	-.308	5.50	-.350
							3.50	-.244	4.50	-.304
G							2.50	-.218	3.50	-.296
									2.50	-.293

TRAILING-EDGE FLAP

INBOARD

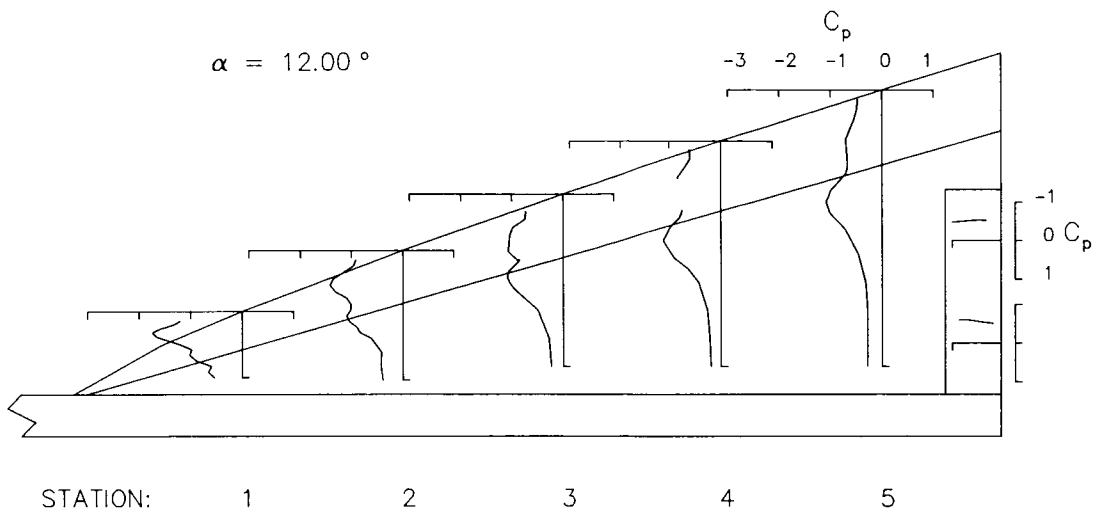
X IN.	CP
45.84	*****
46.09	-.605
46.34	-.618
46.59	-.600
46.84	-.577
47.09	*****
47.34	-.543

OUTBOARD

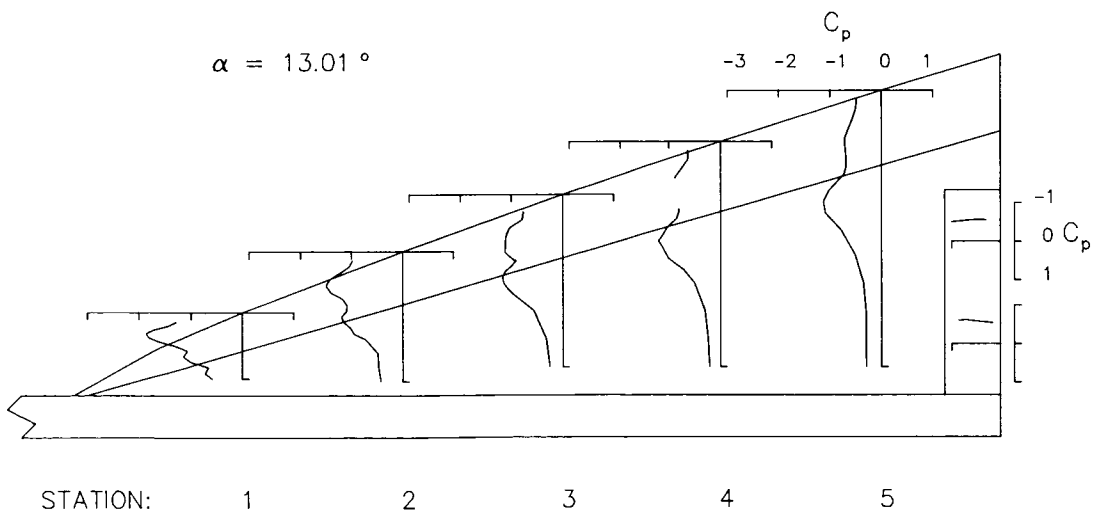
X IN.	CP
45.84	-.505
46.09	-.522
46.34	-.538
46.59	-.553
46.84	-.565
47.09	-.546
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 14.012 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.389	6.32	-1.048	8.34	-.810	10.23	-.674	12.04	-.483
	3.99	-1.597	6.09	-1.109	8.05	-.862	9.90	-.675	11.68	-.512
E	3.85	-1.849	5.86	-1.306	7.76	-1.118	9.57	-.819	11.32	-.583
	3.71	-1.995	5.63	-1.505	7.46	-1.176	9.23	-.945	10.96	-.668
V	3.57	-1.927	5.40	-1.578	7.17	*****	8.90	*****	10.60	-.738
	3.43	-1.736	5.17	-1.492	6.88	-1.176	8.57	*****	10.24	-.714
F	3.29	-1.423	4.94	-1.259	6.59	-.977	8.23	-.835	9.88	-.693
	3.10	-1.148	4.70	-1.179	6.30	-.964	7.99	-.864	9.58	-.714
	2.90	-1.248	4.50	-1.174	6.10	-1.053	7.79	-.895	9.38	-.747
W	2.70	-1.112	4.30	-1.300	5.90	-1.203	7.59	-1.012	9.18	-.829
	2.50	-.744	4.10	-1.264	5.70	-1.270	7.39	-1.114	8.98	-.938
	2.30	-.808	3.90	-1.133	5.50	-1.250	7.19	-1.187	8.78	-1.036
I	2.10	-.660	3.70	-1.074	5.30	-1.185	6.99	-1.279	8.58	-1.112
			3.50	-.837	5.10	-1.087	6.78	-1.222	8.38	-1.178
N			3.00	-.559	4.50	-.655	6.38	-1.119	7.98	-1.156
			2.50	-.519	3.50	-.373	5.98	-.829	7.38	-.849
			2.00	-.468	2.50	-.284	5.50	-.587	6.50	-.373
G							4.50	-.344	5.50	-.322
							3.50	-.269	4.50	-.322
							2.50	-.233	3.50	-.309
									2.50	-.303

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.607
46.34	-.626
46.59	-.612
46.84	-.601
47.09	*****
47.34	-.578

OUTBOARD

X IN.	CP
45.84	-.533
46.09	-.549
46.34	-.576
46.59	-.592
46.84	-.603
47.09	-.575
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 14.995 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.497	6.32	-1.122	8.34	-.860	10.23	-.705	12.04	-.496
	3.99	-1.721	6.09	-1.199	8.05	-.922	9.90	-.707	11.68	-.529
E	3.85	-1.980	5.86	-1.405	7.76	-1.197	9.57	-.866	11.32	-.603
	3.71	-2.123	5.63	-1.592	7.46	-1.251	9.23	-.995	10.96	-.682
V	3.57	-2.047	5.40	-1.649	7.17	*****	8.90	*****	10.60	-.746
	3.43	-1.849	5.17	-1.569	6.88	-1.233	8.57	*****	10.24	-.716
F	3.29	-1.544	4.94	-1.347	6.59	-1.036	8.23	-.876	9.88	-.708
	3.10	-1.256	4.70	-1.262	6.30	-1.024	7.99	-.902	9.58	-.732
	2.90	-1.347	4.50	-1.259	6.10	-1.112	7.79	-.935	9.38	-.761
W	2.70	-1.239	4.30	-1.394	5.90	-1.285	7.59	-1.055	9.18	-.841
	2.50	-.819	4.10	-1.375	5.70	-1.346	7.39	-1.165	8.98	-.949
	2.30	-.903	3.90	-1.260	5.50	-1.356	7.19	-1.251	8.78	-1.061
I	2.10	-.736	3.70	-1.183	5.30	-1.296	6.99	-1.343	8.58	-1.140
			3.50	-.938	5.10	-1.197	6.78	-1.304	8.38	-1.217
N			3.00	-.631	4.50	-.764	6.38	-1.225	7.98	-1.217
			2.50	-.560	3.50	-.404	5.98	-.914	7.38	-.916
			2.00	-.496	2.50	-.309	5.50	-.652	6.50	-.643
G							4.50	-.389	5.50	-.422
							3.50	-.288	4.50	-.347
							2.50	-.246	3.50	-.325
									2.50	-.320

TRAILING-EDGE FLAP

INBOARD

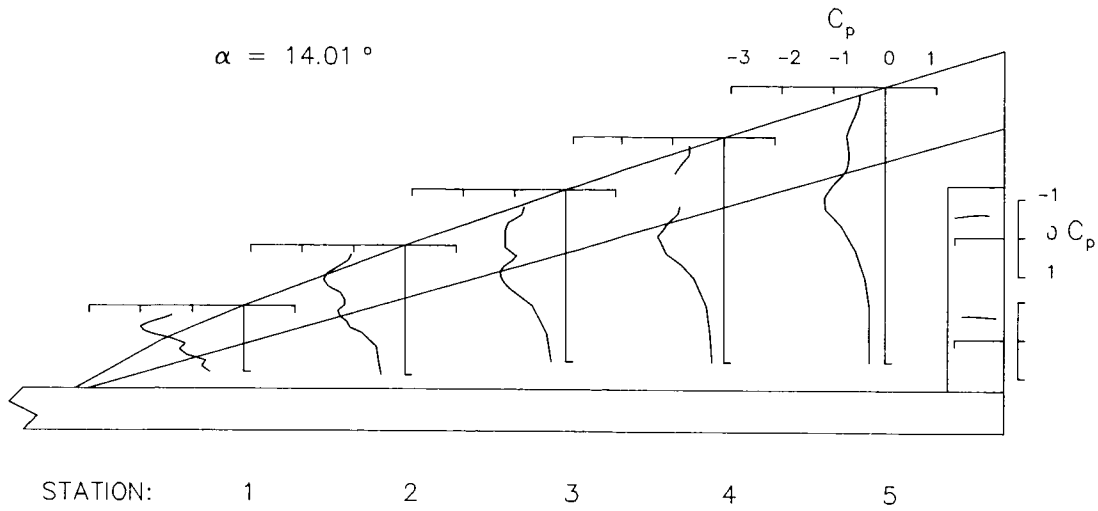
X IN.	CP
45.84	*****
46.09	-.607
46.34	-.633
46.59	-.623
46.84	-.621
47.09	*****
47.34	-.611

OUTBOARD

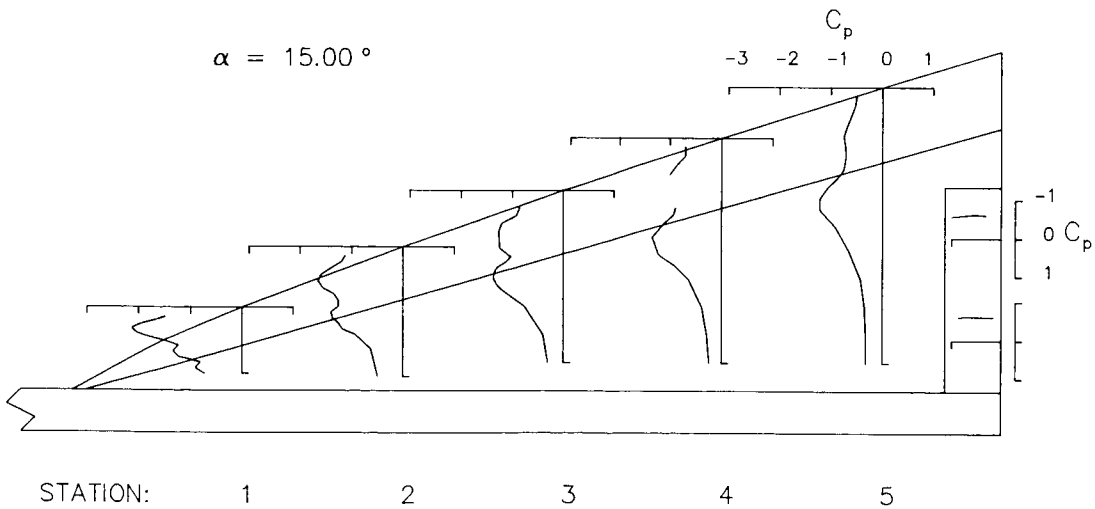
X IN.	CP
45.84	-.569
46.09	-.585
46.34	-.607
46.59	-.623
46.84	-.620
47.09	-.604
47.34	*****

Table V. Continued

$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= -30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 17.364 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-1.768	6.32	-1.269	8.34	-.975	10.23	-.766	12.04	-.525
	3.99	-2.021	6.09	-1.396	8.05	-1.062	9.90	-.777	11.68	-.572
E	3.85	-2.286	5.86	-1.630	7.76	-1.291	9.57	-.952	11.32	-.647
	3.71	-2.410	5.63	-1.810	7.46	-1.401	9.23	-1.077	10.96	-.710
V	3.57	-2.328	5.40	-1.851	7.17	*****	8.90	*****	10.60	-.771
	3.43	-2.145	5.17	-1.747	6.88	-1.369	8.57	*****	10.24	-.730
F	3.29	-1.825	4.94	-1.550	6.59	-1.163	8.23	-.992	9.88	-.740
	3.10	-1.527	4.70	-1.446	6.30	-1.171	7.99	-1.032	9.58	-.774
	2.90	-1.636	4.50	-1.433	6.10	-1.249	7.79	-1.042	9.38	-.796
W	2.70	-1.522	4.30	-1.651	5.90	-1.438	7.59	-1.156	9.18	-.865
	2.50	-1.040	4.10	-1.676	5.70	-1.540	7.39	-1.280	8.98	-.968
	2.30	-1.152	3.90	-1.580	5.50	-1.585	7.19	-1.379	8.78	-1.092
I	2.10	-.919	3.70	-1.517	5.30	-1.562	6.99	-1.504	8.58	-1.192
			3.50	-1.215	5.10	-1.463	6.78	-1.496	8.38	-1.274
			3.00	-.812	4.50	-.973	6.38	-1.475	7.98	-1.345
N			2.50	-.681	3.50	-.511	5.98	-1.153	7.38	-1.080
			2.00	-.583	2.50	-.367	5.50	-.846	6.50	-.789
G							4.50	-.508	5.50	-.520
							3.50	-.363	4.50	-.413
							2.50	-.298	3.50	-.374
									2.50	-.357

TRAILING-EDGE FLAP

INBOARD

X IN.	CP
45.84	*****
46.09	-.626
46.34	-.653
46.59	-.659
46.84	-.679
47.09	*****
47.34	-.682

OUTBOARD

X IN.	CP
45.84	-.638
46.09	-.645
46.34	-.668
46.59	-.680
46.84	-.671
47.09	-.648
47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEVFL DEFLECTION= -30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 19.567 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-2.010	6.32	-1.435	8.34	-1.094	10.23	-.857	12.04	-.554
	3.99	-2.289	6.09	-1.589	8.05	-1.185	9.90	-.875	11.68	-.607
E	3.85	-2.559	5.86	-1.823	7.76	-1.472	9.57	-1.064	11.32	-.685
	3.71	-2.679	5.63	-1.980	7.46	-1.525	9.23	-1.172	10.96	-.749
V	3.57	-2.561	5.40	-2.004	7.17	*****	8.90	*****	10.60	-.786
	3.43	-2.379	5.17	-1.899	6.88	-1.475	8.57	*****	10.24	-.750
F	3.29	-2.088	4.94	-1.680	6.59	-1.292	8.23	-1.071	9.88	-.766
	3.10	-1.766	4.70	-1.565	6.30	-1.299	7.99	-1.126	9.58	-.812
	2.90	-1.879	4.50	-1.582	6.10	-1.364	7.79	-1.121	9.38	-.828
W	2.70	-1.768	4.30	-1.858	5.90	-1.557	7.59	-1.227	9.18	-.886
	2.50	-1.234	4.10	-1.926	5.70	-1.700	7.39	-1.366	8.98	-.985
	2.30	-1.363	3.90	-1.832	5.50	-1.763	7.19	-1.480	8.78	-1.100
I	2.10	-1.083	3.70	-1.797	5.30	-1.767	6.99	-1.623	8.58	-1.212
			3.50	-1.477	5.10	-1.711	6.78	-1.646	8.38	-1.334
			3.00	-.980	4.50	-1.204	6.38	-1.664	7.98	-1.434
N			2.50	-.807	3.50	-.653	5.98	-1.350	7.38	-1.210
			2.00	-.671	2.50	-.455	5.50	-1.035	6.50	-.926
							4.50	-.635	5.50	-.632
G							3.50	-.447	4.50	-.485
							2.50	-.356	3.50	-.418
									2.50	-.392

TRAILING-EDGE FLAP

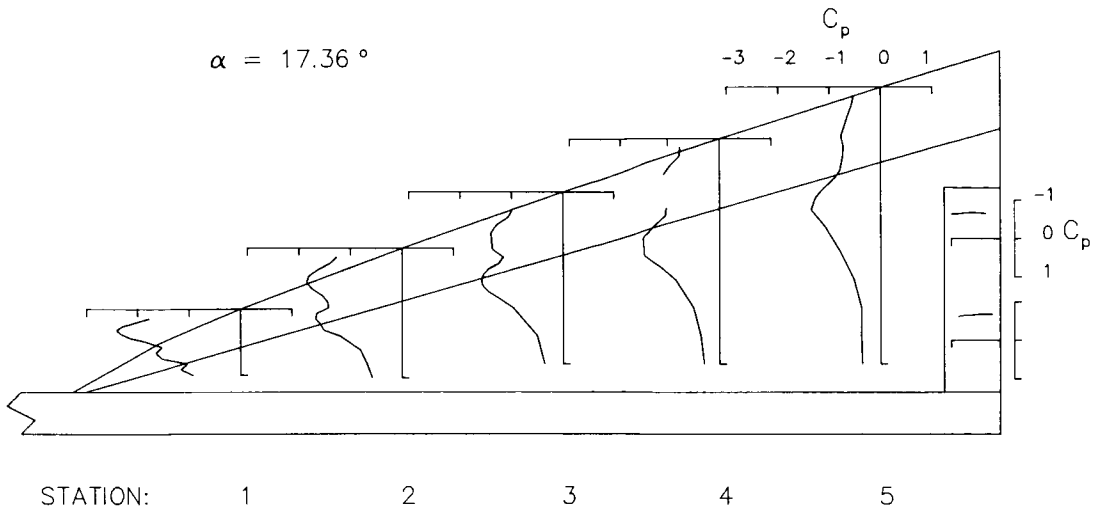
INBOARD

X IN.	CP
45.84	*****
46.09	-.652
46.34	-.677
46.59	-.693
46.84	-.716
47.09	*****
47.34	-.709

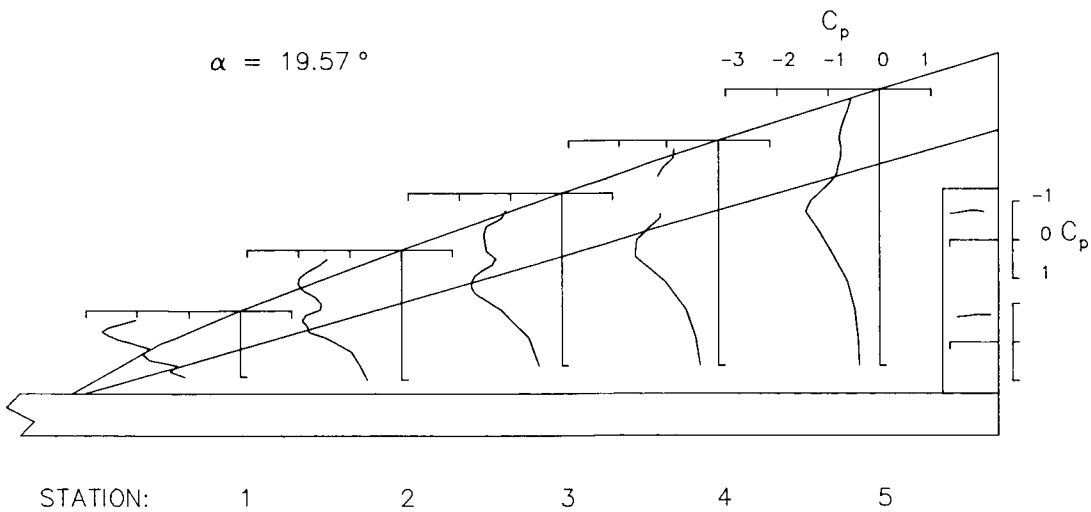
OUTBOARD

X IN.	CP
45.84	-.681
46.09	-.701
46.34	-.736
46.59	-.765
46.84	-.758
47.09	-.726
47.34	*****

$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Table V. Continued

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 21.728 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-2.234	6.32	-1.614	8.34	-1.196	10.23	-.935	12.04	-.584
	3.99	-2.561	6.09	-1.821	8.05	-1.313	9.90	-.953	11.68	-.647
E	3.85	-2.812	5.86	-2.052	7.76	-1.553	9.57	-1.157	11.32	-.718
	3.71	-2.896	5.63	-2.198	7.46	-1.642	9.23	-1.266	10.96	-.774
V	3.57	-2.788	5.40	-2.193	7.17	*****	8.90	*****	10.60	-.802
	3.43	-2.564	5.17	-2.086	6.88	-1.583	8.57	*****	10.24	-.766
F	3.29	-2.305	4.94	-1.811	6.59	-1.403	8.23	-1.176	9.88	-.783
	3.10	-2.030	4.70	-1.710	6.30	-1.428	7.99	-1.231	9.58	-.832
	2.90	-2.078	4.50	-1.735	6.10	-1.475	7.79	-1.230	9.38	-.860
W	2.70	-2.006	4.30	-2.088	5.90	-1.694	7.59	-1.314	9.18	-.906
	2.50	-1.432	4.10	-2.171	5.70	-1.865	7.39	-1.453	8.98	-.994
	2.30	-1.591	3.90	-2.097	5.50	-1.953	7.19	-1.584	8.78	-1.119
I	2.10	-1.254	3.70	-2.090	5.30	-1.970	6.99	-1.757	8.58	-1.229
			3.50	-1.741	5.10	-1.947	6.78	-1.793	8.38	-1.364
			3.00	-1.173	4.50	-1.424	6.38	-1.865	7.98	-1.513
N			2.50	-.939	3.50	-.789	5.98	-1.557	7.38	-1.319
			2.00	-.759	2.50	-.534	5.50	-1.221	6.50	-1.070
G							4.50	-.773	5.50	-.749
							3.50	-.532	4.50	-.565
							2.50	-.410	3.50	-.468
									2.50	-.433

TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.720
46.09	-.677	46.09	-.746
46.34	-.695	46.34	-.793
46.59	-.718	46.59	-.829
46.84	-.762	46.84	-.820
47.09	*****	47.09	-.770
47.34	-.745	47.34	*****

UPPER SURFACE PRESSURE MEASUREMENTS

LEV F DEFLECTION= -30 DEG.

TEF DEFLECTION= 20 DEG.

ANGLE OF ATTACK= 24.162 DEG.

	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5	
	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP	Y IN.	CP
L	4.13	-2.496	6.32	-1.837	8.34	-1.337	10.23	-1.028	12.04	-.613
	3.99	-2.835	6.09	-2.080	8.05	-1.478	9.90	-1.043	11.68	-.689
E	3.85	-3.062	5.86	-2.307	7.76	-1.680	9.57	-1.265	11.32	-.761
	3.71	-3.133	5.63	-2.429	7.46	-1.795	9.23	-1.361	10.96	-.807
V	3.57	-2.982	5.40	-2.419	7.17	*****	8.90	*****	10.60	-.827
	3.43	-2.751	5.17	-2.284	6.88	-1.713	8.57	*****	10.24	-.785
F	3.29	-2.551	4.94	-1.979	6.59	-1.544	8.23	-1.289	9.88	-.813
	3.10	-2.372	4.70	-1.874	6.30	-1.581	7.99	-1.348	9.58	-.866
	2.90	-2.304	4.50	-1.909	6.10	-1.623	7.79	-1.334	9.38	-.892
W	2.70	-2.247	4.30	-2.311	5.90	-1.845	7.59	-1.411	9.18	-.928
	2.50	-1.635	4.10	-2.452	5.70	-2.039	7.39	-1.563	8.98	-1.008
	2.30	-1.847	3.90	-2.407	5.50	-2.163	7.19	-1.699	8.78	-1.135
I	2.10	-1.465	3.70	-2.443	5.30	-2.214	6.99	-1.883	8.58	-1.253
			3.50	-2.071	5.10	-2.201	6.78	-1.949	8.38	-1.400
			3.00	-1.421	4.50	-1.691	6.38	-2.078	7.98	-1.586
N			2.50	-1.100	3.50	-.963	5.98	-1.794	7.38	-1.437
			2.00	-.852	2.50	-.638	5.50	-1.445	6.50	-1.218
G							4.50	-.938	5.50	-.882
							3.50	-.644	4.50	-.666
							2.50	-.479	3.50	-.545
									2.50	-.474

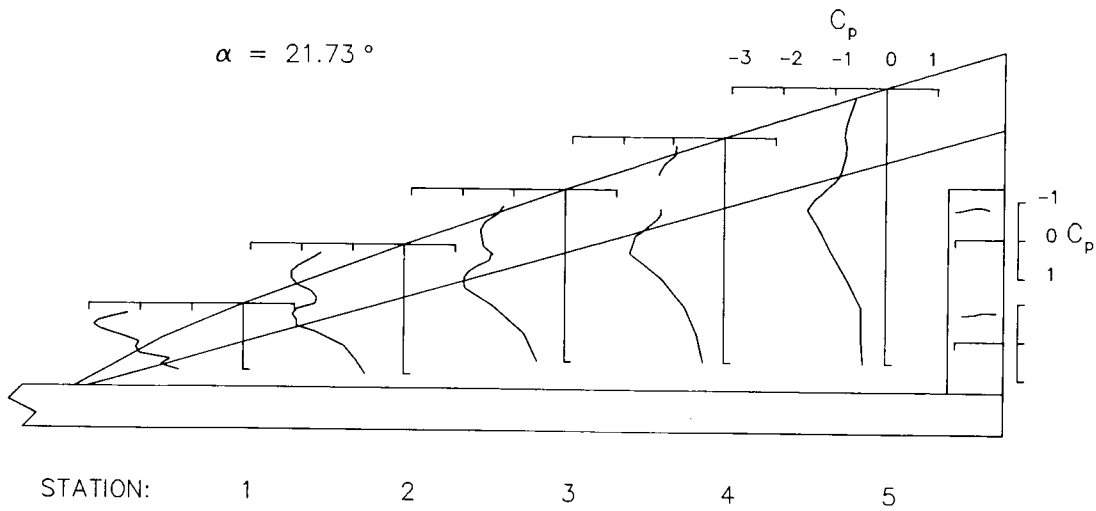
TRAILING-EDGE FLAP

INBOARD		OUTBOARD	
X IN.	CP	X IN.	CP
45.84	*****	45.84	-.770
46.09	-.712	46.09	-.805
46.34	-.727	46.34	-.843
46.59	-.757	46.59	-.889
46.84	-.805	46.84	-.875
47.09	*****	47.09	-.817
47.34	-.775	47.34	*****

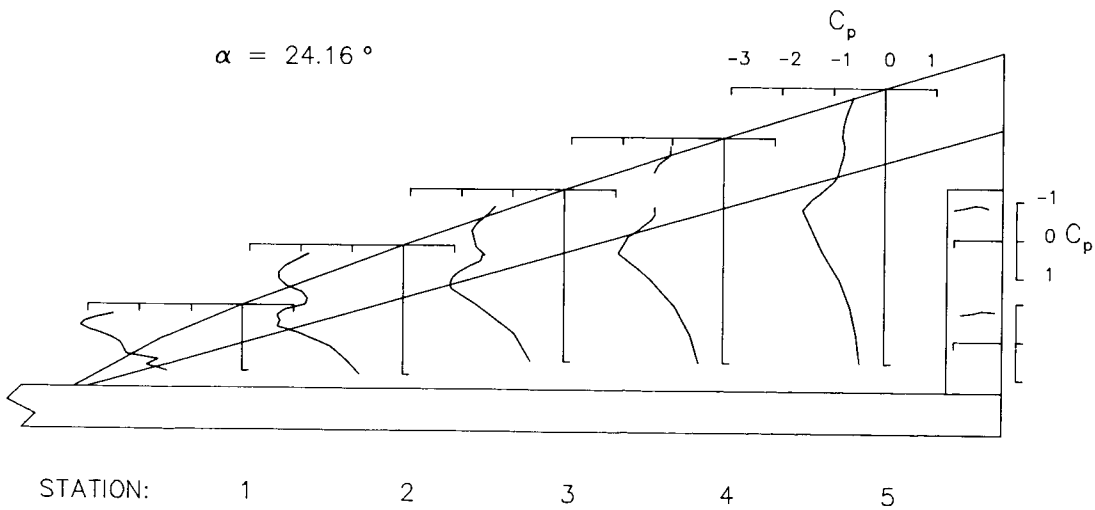
Table V. Concluded

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$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



$$\delta_{\text{LEV}} = -30.0^\circ \quad \delta_{\text{TEF}} = 20.0^\circ$$



DATA PLOTTED ON UNDEFLECTED FLAP PLANFORM

Report Documentation Page

1. Report No. NASA TM-89101		2. Government Accession No.		3. Recipient's Catalog No.	
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16. Abstract A wind-tunnel study at Mach 0.4 was conducted for a slender wing-body configuration with a leading-edge vortex flap of curved planform that is deflectable about a 74° swept hinge line. Leading-edge flap deflections of 0°, 30°, 40°, and 45° down and 30° up were each tested with trailing-edge flap deflections of 0°, 10°, and 20° down. The basic data consist of a unique combination of longitudinal aerodynamic, surface-pressure, and vortex-flap hinge-moment measurements on a common model. One intent of the investigation was to extend the overall vortex-flap data base. The longitudinal aerodynamic, pressure, and hinge-moment data are presented without analysis in tabular format. Plots of the tabulated pressure data are also included. This document is intended to supplement a companion report, NASA TP-2686, containing a comprehensive analysis of the data.					
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